

THE INTEGRATED FISHERIES DATA MANAGEMENT PROGRAMME

Subject: FLUX Inspection & Surveillance Report Implementation Document v1.6.0

Release date: Tuesday, 03 December 2024

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1. INTRODUCTION

This document describes the implementation of the UN/CEFACT¹ FLUX standard for the electronic data exchange of inspection and surveillance (IS) report data in the context of the EU. The objective is the reliable transmission of inspection and surveillance reports between relevant parties and adequate technical measures and organization to ensure cross-talks between remote IT systems.

The target audience is technical staff.

2. GLOSSARY

| | |
|-----------|--|
| BRS | Business Requirements Specification |
| COM | European Commission, or the body designated by it |
| CP | Control Party |
| EC | European Commission |
| EFCA | European Fisheries Control Agency |
| EU | European Union |
| FLUX | Fisheries Language for Universal eXchange |
| GP | General Principles |
| ID | Implementation document |
| IS | Inspection and Surveillance |
| ISR | Inspection and Surveillance Report |
| JDP | Joint Deployment Plan |
| MDR | Master Data Register |
| MS | (EU) Member State |
| RFMO | Regional Fisheries Management Organization |
| UN/CEFACT | United Nations Centre for Trade Facilitation and Electronic Business |
| VMS | Vessel Monitoring System |
| XML | eXtensible Markup Language |
| XSD | XML Schema Definition |

3. LEGAL BASIS

Inspection and surveillance data exchange applies in various scenarios mentioned by the regulations listed below.

- Council Regulation (EC) 1224/2009 (Control Regulation): Art. 71.3/4, Art. 76.1, Art. 78, Art. 83.1
- Commission Implementing Regulation (EU) 404/2011 (Implementing Rules of Control Regulation): Art. 92.1/2, Art. 99, Art. 118.1 / 118.2, Art. 123 (as amended in 2015)
- Council Regulation (EC) 1005/2008 (IUU Regulation): Art. 48.2/4, Art. 48.5, Art. 49.1/2
- Commission Implementing Decision (EU) 2018/1986 (Specific Control and Inspection Programmes (SCIP)): Art. 10.1
- Decisions of the Executive Director of the European Fisheries Control Agency establishing Joint Deployment Plans in the North Sea (2018/32), Baltic Sea (2018/35), Western Waters (2018/33), East Atlantic and Mediterranean (2018/30), and Black Sea (2018/31): Art. 13 and Annex III.

¹ <http://www.unece.org/cefact.html>

An IS Report may refer to the:

- Inspection of a fishing vessel at sea;
- Inspection of a fishing vessel during transshipment;
- Inspection of fishing vessel in port;
- Inspection of a market/premises;
- Inspection of a transport vehicle;
- Sighting of a vessel at sea during a Surveillance operation.

5.2. Stakeholders

The following stakeholders take part in data flows:

| Stakeholder | Description |
|--------------------|---|
| Control Party | The party responsible for the inspection or surveillance activity (e.g.: a Member State) |
| Flag State | The State in which the vessel is registered |
| Registration State | The administration of the State in which a transport vehicle or a market/premises is registered/located |
| Coastal State | The State in the waters of which the vessel inspection is carried out |
| COM | The European Commission or the Body designated by it |
| EFCA | The European Fisheries Control Agency |

5.3. Terminology

In the context of the EU regulation, an electronic *Inspection and Surveillance Report* (IS Report) is the set of standard attributes related to a report of an inspection or surveillance event conducted by a Control Party, that shall be exchanged electronically.

6. PROCEDURES

6.1. Assumptions

The exchange of the business messages described in this document is done through the FLUX Transportation Layer for which technical and functional documentations is published on the Master Data Register (MDR) page of the European Commission Fisheries website³.

6.2. General principles

An inspection or surveillance report is created by fishery inspectors of the control party during a control or surveillance operation. Each report is stored in electronic format by the Control Party.

There are two ways of exchanging IS Reports:

- Submission of Inspection or Surveillance report by a Report Submitter to a Report Receiver (see more details in Section 6.3);

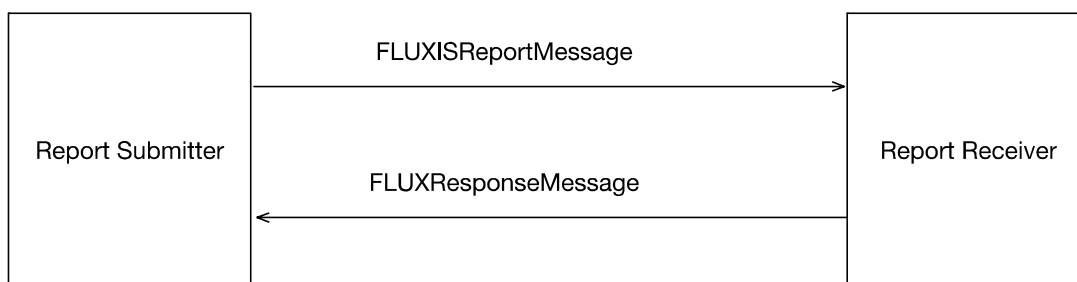


Figure 2. General principle of submission of an IS Report

- Query for Inspection or Surveillance report(s) by a Report Querier to a Report Holder (see more details in Section 6.4).

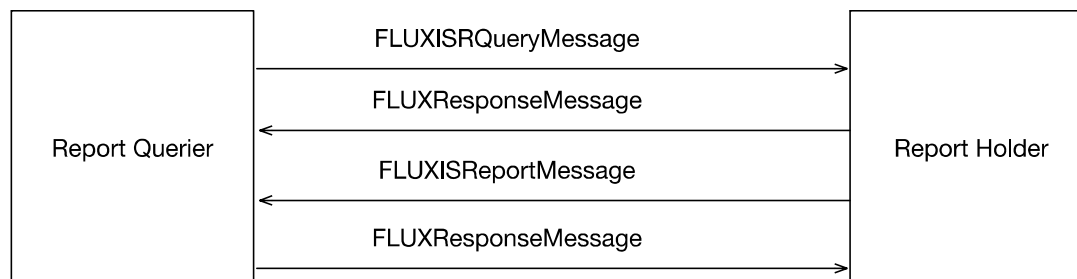


Figure 3. General principle of querying for Inspection & Surveillance reports

After having conducting an inspection, the Control Party (*Report submitter*) shall submit IS Report to various receivers depending on the situation. These receivers include:

- the Flag/Registration /Citizenship state of the controlled Party, if different from the Control Party,
- the Coastal State (for an inspection at sea), if different from the Control Party,
- the COM in case of potential infringement detection,
- the EFCA if the inspection or surveillance is in the context to a JDP, as specified in the relevant JDP decisions.

³ http://ec.europa.eu/fisheries/cfp/control/codes/index_en.htm

A query can be made by an ISR FLUX party to another ISR Flux party in the following legal contexts:

- A MS part of a JDP can query EFCA at any time for IS Reports produced in the context of this JDP.
- The Commission or body designated by it (*IS Reports Querier*) can query at any time a MS representing a Control Party (*IS Reports Holder*) for IS reports owned by that party.
- In pre-inspection phase of a fishing vessel, the control party (*IS Reports Querier*) can query the Flag State of the targeted vessel (*IS Reports Holder*) for past inspection and surveillance reports related to that particular fishing vessel, including those corresponding to controls carried out by other control party than the flag state. This applies only to vessel inspections: at sea, in port or during transshipment).

Note: The Query Context determines the allowed perimeter of a query, but there is no easy way to automatically verify that the Query Context value indicated in a Query Message is indeed legitimate. For example, if a Control State sends a pre-inspection query to a Flag State regarding a fishing vessel, the Flag State has no automated way to determine that the query was made during a pre-inspection of that vessel. Thus, there will be no business rules defined to control the legitimacy of a query as regards its context.

6.2.1. Message validation

Each message exchanged between two stakeholders must be validated by the sender before transmitting and by the receiver upon receipt of the message.

The validation process is done in two steps:

1. XML Validation: Based on the definition in the XSD⁴, the parser validates the structure and basic cardinality as well as compliance for mandatory elements⁵ of the XML message provided, as defined in the XML schema.
2. Business Rules Validation: a process validates the content of the XML message according to, firstly, the General Principles Business Rules definition and, secondly, to all other specific business rules defined in the domain (see Section 8).

⁴ The XSD considered for the validation process is the standard UN/CEFACT XSD for the Inspection and Surveillance domain, defined in standard P1000-8.

⁵ In general, only XSD elements are defined as mandatory. Element listIDs attributes and facets remain optional.

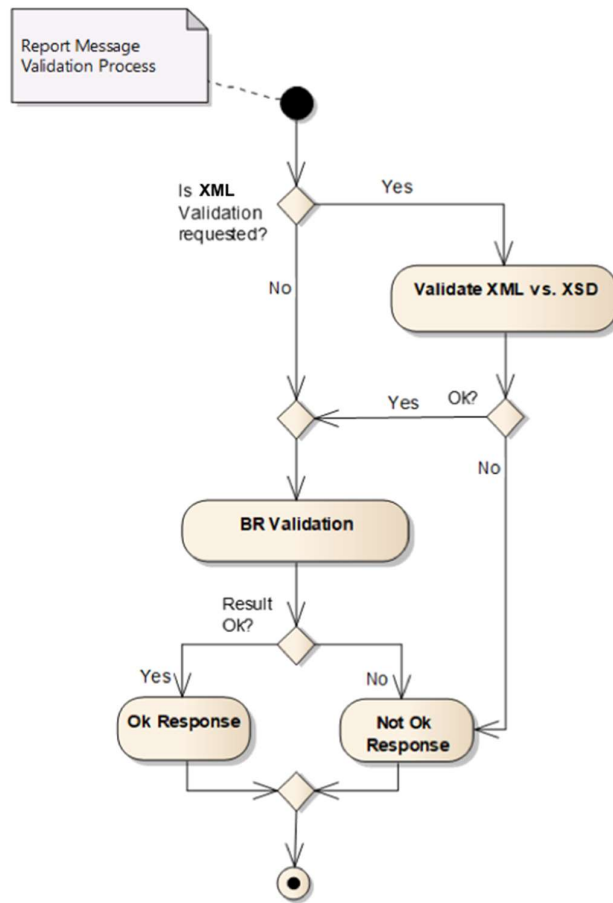


Figure 4. Report message validation diagram

The Business Rules Validation result can be the following:

1. **ERR:** Error: An error has been detected. The report is not accepted by the receiver and the complete transmission is refused. A response message is returned to the sender as a rejection notification.
2. **WAR:** Warning: The report is accepted by the receiver, but a response message is returned to the sender specifying which business rules have triggered the warning.

When the exchange in an automatic and immediate way is not possible or when exchanged messages cannot be understood by the receiver, the agreed manual fall back procedure must be engaged (see Section 6.6 Business Continuity Plan).

6.2.2. Information on the errors or warnings in the Response message

The response message returned to the sender of the message contains information on the acceptance or refusal of that message.

If errors or warnings are found, the response message includes information for each rule that failed the validation: business rule identifier, an indication of whether this is an error or a warning, a business rule result text, and a reference to the entity on which the business rule failed. Details on how to implement this are provided in Section 7.3.

Business rules that fail with an error must be considered as blocking issues that need to be corrected before the report can be (re-)transmitted by the sending party or accepted by the receiving party. One error causes the whole message to be rejected.

Business rules that fail with a warning are not to be considered blocking issues and hence reports generating only warnings cannot be rejected on that basis.

6.2.3. Unique identifiers

Each ISR electronic message shall be identified through a *unique identifier* produced by the sender. This identifier is a universally unique identifier (UUID). In addition to their UUID, some ISR messages may include a reference to the message that triggered their creation when Applicable. (confirmation of reception, reply to a query).

Each IS Report shall equally be uniquely identified through a *unique identifier* produced by the sender. This identifier is a universally unique identifier (UUID).

Each IS report is identified through a *human readable unique identifier*. This identifier is contained in the Identification data field (IS_Report / ID / schemeID="EU_ISR_ID") of the XML IS_Report entity, and is formatted according to the following rule:

- 3 letters representing the code of the control party (*) defining and delivering the identifier
- followed by a hyphen ("-")
- followed by the code "ISR"
- followed by a hyphen ("-")
- followed by a country specific unique ID of maximum 20 characters

(*) The code of the control party shall be part of the code list ISR_CONTROL_PARTY.

The country specific unique ID must be unique within the country delivering it.

This identifier is also used when an IS report refers to another one (e.g. transshipment where both the donor and the receiver vessel would be inspected).

IS reports with the same UUID are considered identical. When an IS Report received has the same UUID than another one received previously, the report is rejected. A receiver may decide to perform the validation anyway.

When an IS Report received has the same Human Readable Identifier than one received previously, if their UUID are different, they shall be considered as two different reports.

6.3. FLUX Inspection and Surveillance Report message

6.3.1. Submission of an IS Report

After an inspection/surveillance has been completed, the Control Party (*the sender*) shall submit the Inspection & Surveillance Report to various receivers according to EU regulation as described in section 6.2.

The submission should be done "without delay" according to the regulation, so there is no strictly defined submission deadline/period.

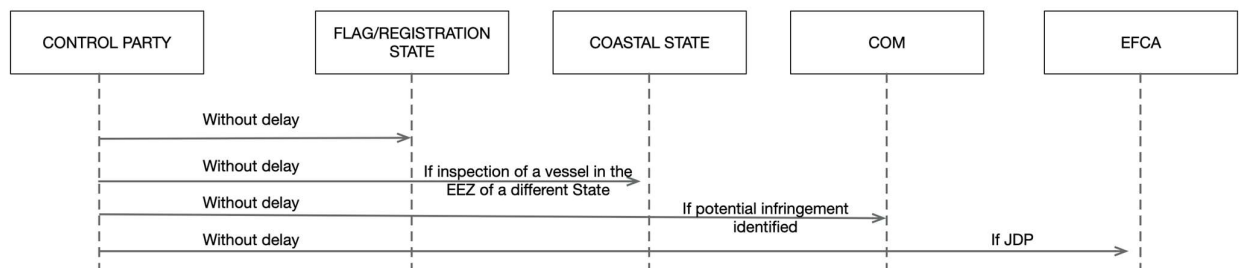


Figure 5. Sequence diagram of the ISR submission process

A message submitted contains data for one Inspection & Surveillance Report only.

The workflow

Sending: A FLUX message (Inspection & Surveillance report) is transmitted by the IS Report Submitter using the Transportation Layer.

Reception: When received by the Receiver, it is delivered to the relevant system.

Validation: The structure of the message is validated against the XML schema and the content of the message is validated according to the business rules by the receiver.

The message is refused by the validation process if at least one error (error type = "ERR") is found in the content. If so, the Inspection & Surveillance report is not stored.

If there is no rejection, the content of the message is processed by the Receiver's system.

Reply: A response message is prepared by the system. It contains the status of the operation (success or failure) and the possible warnings or errors identified by the validation process. This message is sent to the IS Report Submitter.

Figure 6 describes the normal procedure for sending IS Report messages. This procedure respects the FLUX General Principles transmission procedure.

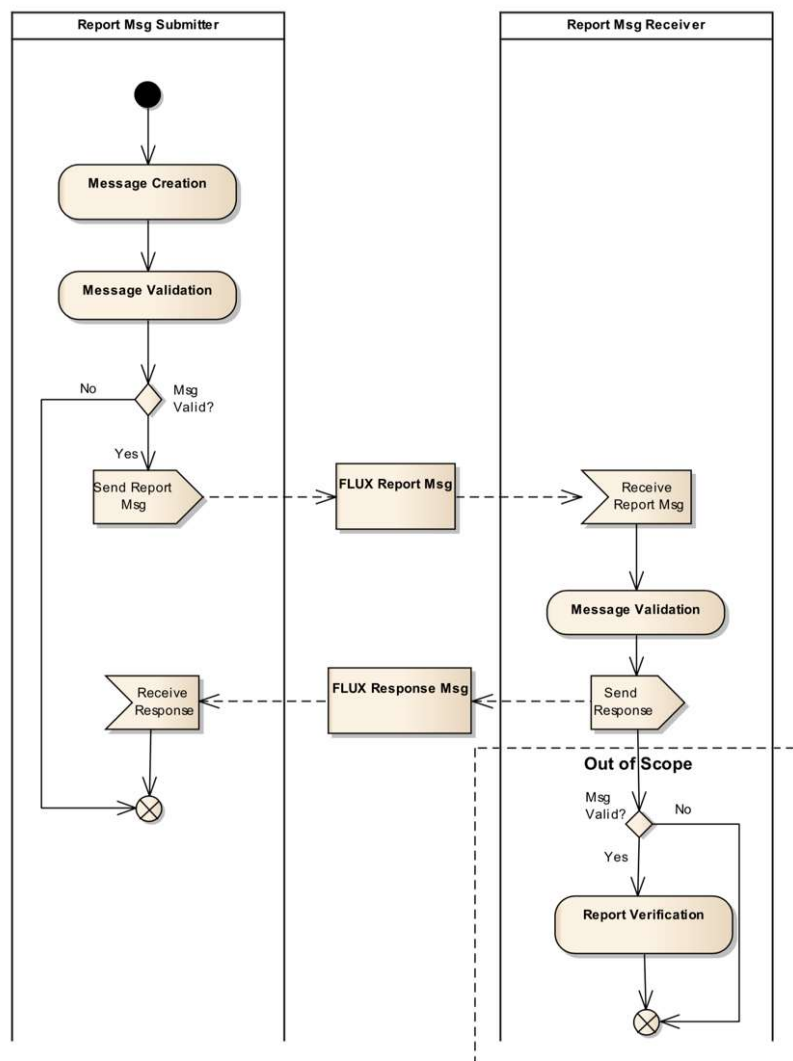


Figure 6. Message transmission activity diagram

Data availability

The information is available in the receiver's system at the end of the validation process, if no rejection has been found.

Possible errors and warnings detected during the validation process can be registered in the receiver's system, but this is optional.

6.3.2. *Correction or deletion of an IS Report*

- When a control party corrects or deletes an IS report, a correction or deletion message shall be sent to all the parties to whom the control party sent the report previously. This doesn't apply to the IS reports sent as a reply to a query.
- To indicate which IS Report is to be corrected or deleted, the correction or deletion FLUX ISR Message includes a reference to the unique universal identifier (UUID) of the IS Report to correct or delete.
- A correction is done by replacing entirely an existing IS Report with a new IS Report identified with a new UUID but same Human Readable Identifier. The new IS Report is included in the Correction message. If more than one IS Report are included in a correction message, only the first IS report will be considered and the additional IS Reports will be ignored.
- The Human Readable Identifier of an IS Report cannot be corrected. To change the Human Readable Identifier of an IS report, the IS report shall be deleted and a new IS Report shall be created.
- A deletion message doesn't include any IS Report. If it does, they will be ignored.
- If a report has been already the object of correction(s), a deletion or new correction shall refer to the latest version of the report.
- Deletion of a corrected report does not imply the restoration of the report's previous version(s), including its original one.
- Once a report has been deleted, it cannot be corrected nor undeleted.

See Section 7.4 for additional details on the implementation of correction and deletion.

6.4. **FLUX Inspection and Surveillance Report Query Message**

Figure 7 describes the normal procedure for sending an IS Report query message. This procedure respects the FLUX General Principles transmission procedure.

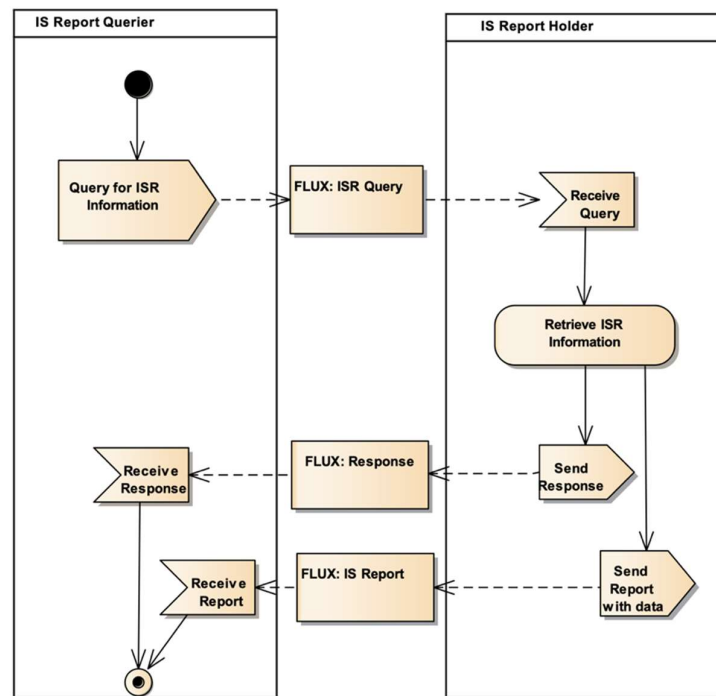


Figure 7. ISR Query activity diagram

Each IS Report query (ISR Query message) will have exactly one general principles response (FLUX Response message), acknowledging receipt of the query.

In case one or more IS Reports exist that match the query parameters and the access rules, an IS Report message (FLUX IS Report message) will be returned, which contains the relevant IS Reports.

In case there is no matching IS Report, the FLUX ISR Message returned to the querier will be empty (with only the FLUX Report Document).

A Query must include a delimited period referring to inspection/surveillance reports produced during that time interval. The reference date of an IS Report is provided in the element ISReport/ReferenceDateTime. The query delimited period covers at most the last 36 months (three years). When responding to a query, it is not mandatory to return reports older than the date of the entry in production of the relevant module.

A query must include a Query type defining the type of object target of the control:

- Q-VESSEL: returns reports relevant to a vessel: At sea (module 1), In port (module 3) and Transshipment (module 2) inspection reports, as well as Surveillance reports (module 6).
- Q-MARKET: returns Market/Premises inspection reports (module 4).
- Q-TRANSPORT: returns Transport inspection reports (module 5).

The IS Query message contains the delimited period, the query type and the search criteria, including the Query Context⁶. The different search criteria available for each query context and query type are summarised in Table 1. When more than one search criteria are provided, the response to the query shall include only reports matching all search criteria (logical AND).

Regarding the "Vessel identifier" criteria, if a non-permanent vessel identifier (e.g. IRCS) is used, the query should return reports related to the vessel to which the non-permanent identifier value is currently assigned (at the date of the query).

⁶ Query parameters refer specifically to the entities defined in FLUX as SimpleISRQueryParam. The possible values are listed in the ISR_QUERY_PARAM code list.

| | Query Context | | |
|---|---------------|----------------|--------------|
| | COM | Pre-inspection | JDP |
| Mandatory Common Query Criteria | | | |
| Context | Mandatory | Mandatory | Mandatory |
| Delimited period of time (Reporting) | Mandatory | Mandatory | Mandatory |
| Type | Mandatory | Mandatory | Mandatory |
| Other Criteria usable for any type of query | | | |
| Control Party | Optional | Optional | Optional |
| IS_Report Human readable ID | Optional | Optional | Optional |
| Inspection/Surveillance Programme | Optional | Optional | Mandatory |
| Criteria specific to query type Q_VESSEL (M1, M2, M3, M6) | | | |
| Inspected Vessel identifier: one value amongst CFR, IRCS, UVI, external mark | Optional | Mandatory | Optional |
| Inspected Vessel Flag State (*) mandatory if Vessel Id is External mark | Optional(*) | Optional(*) | Optional(*) |
| Criteria specific to query type Q_MARKET (M4) | | | |
| none | | | |
| Criteria specific for query type Q_TRANSPORT (M5) | | | |
| Tractor identification | Optional | Not applicable | Optional |
| Trailer identification | Optional | Not applicable | Optional |
| Country of Registration (*) mandatory if Tractor or Trailer identification is used | Optional (*) | Not applicable | Optional (*) |

Table 1. IS report query criteria by query context and ISR query type

6.5. FLUX response message

In response to an IS Report message (FLUX IS Report Message) or IS Report query (ISR Query message), exactly one general principles response (FLUX Response message) must be returned. It must be generated automatically and immediately, without human intervention. The recommended maximum delay for responding is 5 minutes.

The following rules apply:

- The general principles response (FLUX Response message) shall contain a reference to the unique identifier of the IS Report (FLUX IS Report Message) or ISR query (ISR Query message). This reference shall be the UUID of the original message.
- In cases when this UUID of the original message is not available (e.g., not present or XSD validation failure of that message), erroneous (invalid UUID format) or not correctly used in the original message (e.g., wrong or no schemeID), the FLUX Transportation Layer operation number (SchemeID=FLUXTL_ON) shall be used to reference the original message.
- For messages received via the report mechanism (FLUX IS Report Message) or for queries (FLUX ISR query message) that pass the well-formedness and (optional) XSD checks, the response will contain an acknowledgement of receipt.
- In case any of the business validation rules fail (see Section 0) with an error or warning, the complete validation results must be included in the response message (see Section 6.2.2).

- The party receiving the validation results must take action to correct any issue and retransmit a corrected version of the message, where transmission of the data is required.
- There is no response on a response. When the response generates an error in the receiving system, e.g. due to an unexpected data format or contents and as a consequence cannot be understood at all by the receiving party, the established fall-back procedure must be engaged.
- A FLUX Response message cannot be corrected, deleted nor cancelled.

6.6. Business Continuity Plan

The document "FLUX Business Continuity Plan.docx" which covers all FLUX domains, is available on the on the Master Data Register page of the European Commission Fisheries website.

In that document, in the paragraph related to the communication with the DG MARE FIDES helpdesk, the examples given for the title for an issue should be read "BEL:PROD:ISR: Error Message XYZ" and for the unique identifier, "20150216-01 BEL:PROD:ISR: Error Message XYZ".

7. DATA MODEL IMPLEMENTATION

The implementation of the ISR Data Model should follow the following general constraints at the level of XSD Element attributes:

1. For Code & Identifier DataType: listID or schemeID attribute must be provided respectively if it is not specifically defined in the definition of the element.
2. For DateTime DataType: only xs:datetime choice is used and 'Z' character defining UTC time zone must be set; If only the Date is available or required, use "00:00:00Z" as time.
3. Measure DataType: the Unit.Code attribute shall be provided when not explained in the definition (the values of Unit.Code are defined in the FLUX_UNIT code list).
4. Indicator DataType: The value to check ValueIndicator against is not True/False but the values that are in the MDR code list BOOLEAN_TYPE (namely "Y"/YES and "N"/NO). Indeed, UN/CEFACT mandates that the correct structure for an Indicator is:

```
<ram:ValueIndicator>
  <udt:IndicatorString>[String Boolean value]</udt:IndicatorString>
</ram:ValueIndicator>
```

In the case of the code list BOOLEAN_TYPE, the possible values are Y and N.

This is a UN/CEFACT wide convention and is not further detailed in the other FLUX Implementation Documents.

5. Text DataType: when an element is defined as Text, such as Purpose.Text or Value (text) it means the element contains text (in the same way that ValueCode refers to the Value of an element containing a Code.) This is similar to the other FLUX or UN/CEFACT domains and is a general XML convention. In the XML schema, the Text DataType is implied (so it will appear as Purpose or Value in the Schema whereas a Code will appear as PurposeCode or ValueCode.)

Only the entities and/or attributes listed in the Implementation Document must be considered by the receiving party.

7.1. FLUX IS Report Message

This type of message is used to submit, replace or delete an IS Report; or to receive a response to a query. An IS Report Message contains zero or more IS Reports:

- Zero IS Report in case of a deletion.
- One and only one IS Report in case of an original submission or a replacement.
- Zero or more IS Reports in case of a response to a query.

The tables below detail the entities that are common to several FLUX domains and that are used in several places throughout the ISR data model. Section 7.1.20 details the entities specific to each of the 6 modules.

Notes:

- In the tables, entities of type "Association" are showed with a light grey background and are described in separate tables.
- In the tables, only entities relevant to the ISR domain are included (e.g.: ContactParty as defined in the UN/CEFACT reusable business entities includes the entity URI Email_ Communication which is not used in the ISR context).
- In the tables, the Cardinality min/max are indicated relative to their use in the ISR domain, which can be more restrictive than in other domains (e.g.: one ContactParty can have 0..n Contact_Person according to the XSD, but ISR uses only 0..1). Note that the cardinalities indicated can be further restricted in specific cases by dedicated business rules.

7.1.1. FLUX IS Report Message entity

Description: A message providing ISR document information. A FLUX IS Report Message includes one FLUX Report Document. Depending on the type of IS Report Message, it may contain zero IS Report (deletion message), one IS Report (original reporting or correction) or more than one IS Reports (response to query).

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|----------------------|-------------|-------------|-----|---|--|
| | | min | max | | |
| FLUX Report Document | Association | 1 | 1 | The document details for this FLUX IS Report message. | |
| IS_Report | Association | 0 | n | The Inspection or Surveillance Report | No IS Report for a deletion. Multiple IS Reports possible when resulting from a query Only one IS Report for an original submission or correction/replacement. |

The class diagram (Figure 8) presents the main entities of a Flux IS Report Message and their relationships. Entities **in red** are specific to ISR, while those in black come from other domains.

7.1.2. FLUX Report_ Document

Description: A document that provides information for an IS Report.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------|-------------|-------------|-----|---|--|
| | | min | Max | | |
| ID | Identifier | 1 | 1 | The Unique Identifier of the FLUX IS Report message (if at the level of a FLUX ISR Message). Or The Global Unique Identifier of the FLUX Inspection and Surveillance Report (if at the level of an IS_Report). A Version 4 UUID as defined in the RFC 4122. | Cf. http://www.guidgenerator.com to generate example of a valid identifier. Once the message is created, the data contained in the message remains associated with this identifier. Cf. http://www.guidgenerator.com to generate example of a valid identifier. Once the message is created, the data contained in the message remains associated with this identifier. SchemeID="UUID" +Value (a Version 4 UUID as defined in the RFC 4122) |
| Referenced Identification | Identifier | 0 | 1 | The identifier of a referenced FLUX ISR Message or FLUX IS Report. | schemeID="UUID" +Value A Version 4 UUID as defined in the RFC 4122. For a correction/replacement or a deletion of an IS report: used to indicate the reference of the report document to correct or delete. For a report resulting from a query: used to indicate the reference of the query message. Compulsory if the Report is a correction/replacement, a deletion or a response to a query. |
| Creation | DateTime | 1 | 1 | The date time UTC value, according to ISO 8601 format, of the creation of this Report Document. A UTC date time according to ISO 8601 format | e.g. 2008-10-31T15:07:38Z (milliseconds can be provided optionally). |
| PurposeCode | Code | 1 | 1 | The code specifying the purpose of this Report Document. | listID="FLUX_GP_PURPOSE" Use 9 to send original data for the first time. Use 5 in case this message is for a correction/replacement of a previously (accepted) report. Use 3 in case this message is for a deletion of a previously (accepted) report. |
| Purpose | Text | 0 | 1 | The purpose, expressed as text, of this Report Document. | Optional free text that can be used for communicating the reason why the report is sent. |
| FLUX Party | Association | 1 | 1 | The party owning this FLUX Report Document. | Creator of the message. |

7.1.3. IS_ Event (Inspection or Surveillance Event)

Description: A wrapper containing information about the timing of the various events occurring during an Inspection/Sighting.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|-------------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The type of inspection event, | listID="ISR_EVENT_TYPE" e.g.: Presence on board, Inspection |
| Occurrence | DateTime | 0 | 1 | The date time UTC value, according to ISO 8601 format, at which the event occurred. A UTC date time according to ISO 8601 format | e.g. 2008-10-31T15:07:38Z (milliseconds can be provided optionally). |
| Delimited_Period | Association | 0 | 1 | The time period during which the event occurred | |
| IS_ Event | Association | 0 | n | Any subordinate IS_ Event occurring during the main IS_ Event | |

7.1.4. Delimited_Period

Description: A period of time delimited by a start and an end.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|------------------------------------|---|
| | | min | max | | |
| Start | DateTime | 0 | 1 | Start date of the delimited period | A UTC date time according to ISO 8601 specifications using the following format YYYY-MM-DDThh:mm:ssZ; e.g. 2008-10-31T15:07:38Z (milliseconds may be provided optionally). When used in a prior notification of arrival, the date is mandatory and the time may be set to zero. |
| End | DateTime | 0 | 1 | End date of the delimited period | A UTC date time according to ISO 8601 specifications using the following format YYYY-MM-DDThh:mm:ssZ; e.g. 2008-10-31T15:07:38Z (milliseconds may be provided optionally). |

7.1.5. FLUX_Party

Description: Identification of the party sending the report.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|---|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | The identifier of the FLUX party, creating and sending the message. | schemeID="ISR_GP_PARTY" +Value |
| Name | Text | 0 | 1 | The name of the FLUX party creating the message | Free text giving more details on the Party. e.g. Control Party reporting the data (i.e. name of the country or other party). |

7.1.6. ContactParty Entity

Description: A contact, be it a company, institution or physical person.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|--|-----------------------------------|
| | | min | max | | |
| Role | Code | 0 | 1 | A code specifying the role of this contact party | listID="FLUX_CONTACT_ROLE" +Value |

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------|-------------|-------------|-----|---|--|
| | | min | max | | |
| | | | | | (e.g.: Inspector in charge, Inspected Market or Premises) |
| ID | Identifier | 0 | 1 | The identification number for the Contact party | |
| Name | Text | 0 | 1 | The name of the Contact Party | To be used for reporting the name of a legal entity such as a company. |
| Nationality_Country | Identifier | 0 | 1 | The nationality/country of the Contact Party | schemeID="TERRITORY" +value |
| Structured_Address | Assoc | 0 | 1 | The address of the Contact Party | |
| Contact_Person | Association | 0 | 1 | A specified person for this contact party. | |

7.1.7. Structured_Address Entity

Description: Entity providing information of the location, using a structured address format, at which a particular organization or person may be found or reached.

This entity can be used for a market place or premises when there is no location code available, or for contact persons.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------|------------|-------------|-----|--|--------------------------------------|
| | | min | max | | |
| Block Name | Text | 0 | 1 | The block name, expressed as text, for an area surrounded by streets for this structured address. | |
| Building Name | Text | 0 | 1 | The name, expressed as text, of a building, a house or other structure on a street in the structured address. | |
| City Name | Text | 0 | 1 | The name, expressed as text, of the city, town or village in the structured address. | |
| City Sub-Division Name | Text | 0 | 1 | The name, expressed as text, of a sub-division of a city, town or village in the structured address. | |
| Country | Identifier | 0 | 1 | The unique identifier of a country in the structured address (Reference ISO 3166 and UN/ECE Rec 3). | schemeID="TERRITORY" +Value |
| Country Name | Text | 0 | 1 | The name, expressed as text, of the country in the structured address. | |
| Country Sub-Division Name | Text | 0 | 1 | The name, expressed as text, of the sub-division of a country in the structured address. | |
| Plot Identification | Text | 0 | 1 | The identification, expressed as text, of the plot for this structured address. | This is used for the building number |
| Post Office Box | Text | 0 | 1 | The unique identifier, expressed as text, of a container commonly referred to as a box, in a post office or other postal service location, where postal items may be kept for this structured address. | |
| Postal Area | Text | 0 | 1 | The text specifying the postcode in the structured address. Optional for addresses in Ireland. | |
| Street Name | Text | 0 | 1 | The name, expressed as text, of a street or thoroughfare in the structured address. | |

7.1.8. Contact_Person Entity

Description: The details of a contact person.

The Given Name and Family Name must be provided.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|-------------|---------|
| | | min | max | | |
| GivenName | Text | 1 | 1 | | |
| Middle Name | Text | 0 | 1 | | |
| FamilyName Prefix | Text | 0 | 1 | | |
| FamilyName | Text | 1 | 1 | | |
| NameSuffix | Text | 0 | 1 | | |

7.1.9. ISRItemCharacteristic Entity

Description: A specific characteristic that is checked/verified during an inspection or surveillance.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|-------------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of characteristic | listID="ISR_ITEM_CHARACTERISTIC" +value (e.g.: INSPECTOR_IN_CHARGE_SIGNATURE; MINIMUM_CONSERVATION_REFERENCE SIZE_CHECKED) |
| Check_Inspection | Code | 0 | 1 | Whether that characteristic has been checked during the inspection/surveillance | listID="ISR_CHECK" +value (Yes, No, Not applicable) e.g.: IS_Report / ISRItemCharacteristic / TypeCode="PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode |
| Value | Indicator | 0 | 1 | Indicates the result of a check: positive (Y) or negative (N) | There is no listID for ValueIndicator. The code list used for validation of the value of the ValueIndicator is "BOOLEAN_TYPE"ISRItemCharacteristic |
| Value | Code | 0 | 1 | The value of the characteristic, expressed as a code | listID indicated in the definition of the relevant data element |
| Value | Measure | 0 | 1 | The value of the characteristic, expressed as a measure | |
| Value | Quantity | 0 | 1 | The value of the characteristic, expressed as a number | e.g.: IS_Report / ISRItemCharacteristic / TypeCode="NUMBER_OF_PAPER_FISHING_LOG SHEET" +Value. Quantity |
| Value | Text | 0 | 1 | The value of the characteristic, expressed as text | e.g.: IS_Report / ISRItemCharacteristic / TypeCode="ENGINE_PROP_POWER_CHECK" +Value (text) |
| Value | DateTime | 0 | 1 | The value of the characteristic, expressed as a DateTime | e.g.: IS_Report / ISRItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" /Value .DateTime |
| FLUX_Location | Association | 0 | 1 | A location related to this characteristic | e.g.: IS_Report / ISRItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" / FLUX_Location +TypeCode ="LOCATION" +ID |

7.1.10. FLUX_Location entity

Description: Entity providing information of a physical location or place such as a port, positions, address or a region at sea.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---|------------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of FLUX_Location. | ListID="FLUX_LOCATION_TYPE" Use POSITION to report catches or inspection at a certain geographical location (fisheries under ICCAT or GFCM rules). Use AREA to report catches or inspection per relevant geographical area. Areas must be provided at the most detailed level available (EU 404/2011 Annex X, as amended by EU (No) 1962/2015). Use LOCATION if the location of the activity is a port or other location defined in MDR (e.g. Market) |
| Country | Identifier | 0 | 1 | The identifier of a country for this FLUX_Location. | schemeID="TERRITORY" Optional Reference ISO 3166 and UN/ECE Rec 3. |
| Identification | Identifier | 0 | 1 | The identifier for this FLUX_location. | Identification schemeID must be in ISR_AREA_TYPE. The value of the schemeID indicates the type of location identifier used. For example: "FAO_AREA" for a code from the FAO Fishing Areas code List "STAT_RECTANGLE" for a code from the ICES rectangles code list "TERRITORY" for third countries etc. |
| Specified_Physical FLUX_Geographical Coordinate | Assoc. | 0 | 1 | Geographical coordinate information for this FLUX_Location. | Mandatory when FLUX_LOCATION_TYPE = "POSITION" |
| Physical Structured_Address | Assoc. | 0 | 1 | Structured postal address information for this FLUX_Location. | Mandatory when FLUX_LOCATION_TYPE="ADDRESS" |
| | | | | | |

7.1.11. ISRItemCharacteristic Entity for Observations and comments

Description: Observations and comments consigned by the Inspectors, the Vessel Master, the Operator, etc. on the Inspection Report.

Note: this is a special case of use of the ISRItemCharacteristic Entity and is used similarly in all modules, which is why it is described separately here.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|--|---|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of characteristic | TypeCode="OBSERVATION_AND_COMMENTS" |
| Value | Code | 0 | 1 | The type of observation or comment | listID="ISR_OBSERV_COMMENTS_TYPE" +value e.g.: GEAR_INSPECTION_OBSERVATIONS, INSPECTOR_COMMENTS, MASTER_COMMENTS, OPERATOR_COMMENTS |
| Value | Text | 0 | 1 | The actual observation/comment | |

7.1.12. Vessel_Transport Means Entity

Description: Entity containing the identification and characteristic information of a ship or boat.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------------|----------------|-------------|-----|---|--|
| | | min | max | | |
| Identification | Identifier | 0 | n | An identifier for this transport means vessel, such as an identifier defined by the International Maritime Organization (IMO), the radio call sign, or an external marking. | |
| Name | Text | 0 | 1 | A name, expressed as text, of this transport means vessel. | |
| Registration Country | Vessel_Country | 0 | 1 | The country ("flag") where the vessel is registered | If the vessel has no flag or has more than one flag, then use the "N/A" value. |
| Role | Code | 0 | 1 | The code specifying the role of this vessel transport means. | |
| FLUX_Location | Association | 0 | n | A Fisheries Language Universal eXchange (FLUX) location specified for this vessel transport means. | |
| Vessel Position_Event | Association | 0 | n | A position event specified for this vessel transport means. | |
| Vessel Registration_Event | Association | 0 | 1 | A registration event specified for this vessel transport means. | |
| Vessel Technical_Characteristic | Association | 0 | n | A technical characteristic Applicable. to this transport means vessel. | |
| Fishing_Gear | Association | 0 | n | Fishing gear which is on board this transport means vessel. | |
| FA_Catch | Association | 0 | n | A Fishing Activity (FA) catch specified for this vessel transport means. | |

7.1.13. Fishing_Gear entity

Description: Entity used to provide information on a fishing gear.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|------------------------|-------------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of gear | listID="GEAR_TYPE" |
| | | | | | |
| Gear Inspection_Event | Association | 0 | 1 | Information on the inspection of the gear | |
| Fishing Gear_Equipment | Association | 0 | n | Equipment attached ("attachments") to this fishing gear | The possible equipment depends on the type of gear |

7.1.14. Gear Inspection_Event entity

Description: Information related to the inspection of fishing gear onboard the inspected vessel.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------|-------------|-------------|-----|--|---|
| | | min | max | | |
| Occurrence | DateTime | 0 | 1 | The date/time of the gear inspection event | |
| Description | Text | 0 | 1 | A textual description of this gear inspection event | |
| Gear_Characteristic | Association | 1 | n | The characteristic that was checked for the inspected gear | The characteristics to be checked depend on the type of gear (see section 7.1.15) |

The gear characteristics that can be provided when reporting on the inspection of each gear type are described in Code list ISR_GEAR_GEAR_CHARACTER.

7.1.15. Gear_Characteristic entity

Description: Specific characteristics of the inspected gear (or gear equipment), as checked by the inspector.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|-----------|-------------|-----|---|---|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the gear characteristic | If the characteristic refers to a gear, code must be in listID="FA_GEAR_CHARACTERISTIC" If the characteristic refers to a gear equipment/attachment, there is no standard code list. |
| Value | Measure | 0 | 1 | The measure of the value for this GEAR characteristic. | The unit of the measure shall be specified using the Unit.Code attribute. Values for Unit.Code are defined in the code list FLUX_UNIT. |
| Value | DateTime | 0 | 1 | The value, expressed as a date, time, date time, or other date time value, of this GEAR characteristic. | A UTC date time according to ISO 8601 specifications using the following format YYYY-MM-DDThh:mm:ssZ; e.g. 2008-10-31T15:07:38Z (milliseconds may be provided optionally). |
| Value | Indicator | 0 | 1 | The value, expressed as an indicator, for this GEAR characteristic. | |
| Value | Code | 0 | 1 | The code specifying a value of this GEAR characteristic. | If TypeCode="TT" (Twine Type), then ValueCode is a value from ISR_TWINE_TYPE If TypeCode="MS" (Mesh Type), then ValueCode is a value from ISR_MESH_TYPE |
| Value | Text | 0 | 1 | A value, expressed as text, of this GEAR characteristic. | |
| Value | Quantity | 0 | 1 | The value, expressed as a quantity, for this GEAR characteristic. | |

7.1.16. Fishing Gear_Equipment entity

Description: Entity used to provide information on a fishing gear equipment.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------------|-------------|-------------|-----|---|---|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of gear equipment | listID="FA_DEVICE_GEAR_ATTACHMENT" |
| Gear Equipment Inspection_Event | Association | 0 | n | Specific characteristics of the gear or gear deployment | The characteristics to be checked depend on the type of gear. |

7.1.17. Gear Equipment Inspection_Event entity

Description: Information related to the inspection of a particular equipment attached to a gear.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------------|-------------|-------------|-----|--|---|
| | | min | max | | |
| Applicable. Gear_Characteristic | Association | 0 | n | The characteristic that was checked for the inspected gear equipment | The characteristics to be checked depend on the type of gear equipment. There is no standard code list. |

7.1.18. Vehicle_Transport Means Entity

Description: Entity used to provide information of the identification and registration of a vehicle, such as a car, truck, lorry, train.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------------|------------|-------------|-----|---|----------------------------------|
| | | min | max | | |
| ID | Identifier | 1 | 1 | The main identifier of this vehicle transport mean (e.g.: car or truck license plate number). | schemeID in FLUX_VEHICLE_ID_TYPE |
| Registration Country_ID | Identifier | 1 | 1 | The identifier of the country of registration for this vehicle transport means. | |

| | | | | | |
|----------------------|--------------|---|---|--|--|
| Name | Text | 0 | 1 | The name, expressed as text, of this vehicle transport means. | |
| Type | Code | 1 | 1 | The code specifying a type of vehicle transport means. | listID="VEHICLE_TYPE" or "ISR_SURVEILLANCE_CRAFT_TYPE" |
| Role | Code | 0 | 1 | The role of this vehicle transport means (e.g.: inspected vehicle, surveillance vehicle...) | listID="ISR_VEHICLE_ROLE" |
| TransportEquipmentID | Identifier | 0 | n | The identifier of any "trailer" attached to the vehicle (trailer for a truck, wagons for a train). | schemeID in FLUX_VEHICLE_ID_TYPE |
| Owner | ContactParty | 0 | n | The Contact party owning this vehicle transport means. | |
| Driver | ContactParty | 0 | 1 | The Contact party driving this vehicle transport means. | |

7.1.19. *ISR Infringement Suspicion*

Description: Suspected infringements observed.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|-----------|-------------|-----|--|---|
| | | min | max | | |
| Type | Code | 0 | n | The code(s) specifying the type of suspected infringement | listID in ISR_INFRINGEMENT_CLASSIF +value in listID |
| Legal_ Reference | Text | 0 | 1 | Reference of the legal text relevant to the suspected infringement | |
| Observation | Text | 0 | 1 | Description of the suspected infringement | |
| Serious Violation | Indicator | 0 | 1 | Whether the suspected infringement might be a serious violation, as assessed by the inspectors | Refers to the EU list of Serious Infringements. |

7.1.20. *Geographical_ Coordinate*

Description: Entity providing information of the latitude and longitude of a specified place, by which a location relative situation on the globe is known.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|--|---|
| | | min | max | | |
| Longitude | Measure | 1 | 1 | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this FLUX_ Location geographical coordinate | Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 1 decimal position. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. |
| Latitude | Measure | 1 | 1 | The measure of the latitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this FLUX_ Location geographical coordinate. | Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 1 decimal position. Positive coordinate refers to North of equator. Negative coordinate refers to South. |

7.1.21. *Vessel Technical_ Characteristic*

Description: Entity used to provide technical information on an aspect related to a particular vessel.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying a type of technical characteristic. | TypeCode in listID="ISR_VESSEL_TECH_CHARACT" |

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|--|--|
| | | min | max | | |
| Value | Text | 0 | 1 | The value of the technical characteristic, expressed as text | |
| Value | Measure | 0 | 1 | The value of the technical characteristic, expressed as a measure | |
| Value | Quantity | 0 | 1 | The value of the technical characteristic, expressed as a quantity | |
| Value | Code | 0 | 1 | The value of the technical characteristic, expressed as a code | The listID for ValueCode is indicated in the description of the relevant vessel technical characteristic |

7.1.22. Specified. Registration_ Event

Description: A registration event specified for this vessel transport means.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------------|-------------|-------------|-----|--|---|
| | | min | max | | |
| Related. Registration_ Location | Association | 0 | 1 | The location related to a registration event | For a vessel, used to indicate the Port of registry |

7.1.23. Related. Registration_ Location

Description: A registration event specified for this vessel transport means.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of Registration_ Location. | ListID="FLUX_LOCATION_TYPE" Use POSITION to report catches or inspection at a certain geographical location (fisheries under ICCAT or GFCM rules). Use AREA to report catches or inspection per relevant geographical area. Areas must be provided at the most detailed level available (EU 404/2011 Annex X, as amended by EU (No) 1962/2015). Use LOCATION if the location of the activity is a port or other location defined in MDR (e.g. Market) |
| ID | Identifier | 0 | 1 | The identifier for this Registration_ location. | Identification schemeID must be in ISR_AREA_TYPE. The value of the schemeID indicates the type of location identifier used. For example: "FAO_AREA" for a code from the FAO Fishing Areas code List "STAT_RECTANGLE" for a code from the ICES rectangles code list "TERRITORY" for third countries etc. |
| Name | Text | 0 | 1 | The name of this Registration_ location | Free text if the location does not have an identifier |

7.1.24. Specified. FA_ Catch and Related. FA_ Catch

Note: in the rest of the document, for brevity's sake, we use FA_ Catch instead of:

- Specified. FA_Catch in Modules 1, 2, 3.
- Related. FA_Catch in Modules 4, 5.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|----------------------------|----------|-------------|-----|---|--|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying a type for this FA catch, such as retained on board. | <i>listID</i> =ISR_CATCH_TYPE |
| Species | Code | 1 | 1 | The code specifying the species of this FA catch, such as the Food and Agriculture Organization (FAO) code. | Species code, as defined in FAO, for reported catch. <i>listID</i> =FAO_SPECIES |
| Unit | Quantity | 0 | 1 | The quantity of fish, according to the unit used to declare catches. | Number of individuals. |
| Weight | Measure | 0 | 1 | The measure of the live weight of the reported catch. | The Unit.Code attribute shall be provided when not explained in the definition (the values of Unit.Code are defined in the FLUX_UNIT code list). |
| SpecifiedFLUX_Location | Assoc. | 0 | * | A FLUX_Location specified for this FA catch. | The location or area where the catch was taken. The type of location used for FA_Catch in ISR is AREA. |
| SpecifiedSize_Distribution | Assoc. | 0 | 1 | The size distribution specified for this FA catch. | |
| AppliedAAP_Process | Assoc. | 0 | * | An Aquatic Animal and Plants (AAP) process applied to this FA catch. | The processing applied to the catch. In ISR, PRESENTATION and PRESERVATION are used |

7.1.25. IS_Report entity

Description: Entity containing information about an IS Report.

The ISR domain is divided in 6 types of reports ("modules") pertaining to 6 types of inspection and surveillance activities: inspection of a fishing vessel at sea, during transshipment, in port, of a transport, of market/premises and surveillance/sighting. Each type of report contains a large number of data items, some that are common to all types and other that are specific to a given type.

To make implementation easier, the data items in each module are presented using the same structure as the relevant IS Report. The data items of the IS_Report are described in the following sections (1 by module). Data items have been grouped in 10 business related topics:

1. General reference data
2. Inspection means
3. Pre-inspection
4. Inspection target
5. Documents and certification
6. Gear
7. Catch/product
8. Observations & comments
9. Suspected infringements
10. Inspection closure

The following sections will describe, for each ISR type, the data content of each of these topics. The tables included below should be read as follows:

- *Section*: the topical section to which the data element belongs (e.g.: Inspection means)
- *Business term*: the name of the data element (e.g.: Patrol vessel)

- *Entity mapping*: the FLUX ISR entity the element has been mapped to (e.g.: Vessel_ Transport means). Note: in a mapping, the use of "/" indicates that the element after is a child of the element before, while the use of "+" means the element after is a sibling of the element before.

Example: Specified. FA_ Catch / TypeCode="ONBOARD" +rdSpeciesCode translates in XML to:

```
<ram:SpecifiedFACatch>
  <ram:TypeCode>ONBOARD</ram:TypeCode>
  <ram:SpeciesCode>
```

- *Data Type*: the type of data (e.g.: code)
- *Description*: a description or definition of the data element
- *Remarks*: comment or remark relevant to the data element; also used to indicate the listID or schemeID to be used
- *404/2011 Reference*: a reference to that data element in the 404/2011 Implementing Rules Control Regulation (Annexes XXIII and XXVII) (e.g.: "M1 - 3. INSPECTION VESSEL" refers to Module 1 (Inspection at sea), item 3). The version used for this implementation document is the one amended in 2015.
- *Cardinality*: 1=single, mandatory; 0..1=single, optional; 0..n =multiple, optional, 1..n=mandatory, at least one. Note: at the exception of elements indicated as mandatory (1), which means the absence of one such element triggers the rejection of the submission, the mandatory/optional status of each element as per the Regulation is actually defined and enforced through business rules (see Section 8), following the general FLUX principles.

7.1.25.1. Inspection at sea (Module 1)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|------------------|---|---|---|-------------|
| INSPECTION REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | schemeID="EU_ISR_ID" +Value | M1 - 1. INSPECTION REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, i.e. legal framework under which the inspection is performed | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| INSPECTION PROGRAMME | IS_Report / ISRItemCharacteristic / TypeCode= "INSPECTION_PROGRAMME" +ValueCode | Code | A code specifying the Inspection programme the inspection is part of. | Value of TypeCode in listID="ISR_ITEM_CHARACTERISTIC" ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | M1 - 2. MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode= "CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the inspection. | Freely provided by the report producer | M1 - 2. INSPECTION AUTHORITY | 0..1 |
| DATE ARRIVED ON BOARD | IS_Report / IS_Event / TypeCode= "INSPECTION" +Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD" +OccurrenceDelimitedPeriod / Start.DateTime | Code DateTime | The date and time of arrival of the Inspection party on board the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="PRESENCE_ON_BOARD" e.g. 2008-10-31T15:07:38Z | | 0..1 |
| TIME ARRIVED ON BOARD | | | | | | 0..1 |
| DATE OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | Code DateTime | The date and time of the start of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M1 - 5. DATE OF THE INSPECTION (START) | 1 |
| TIME OF THE INSPECTION - START | | | | | M1 - 6. TIME OF THE INSPECTION (START) | 1 |
| DATE OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / End.DateTime | Code DateTime | The date and time of the end of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M1 - 7. DATE OF THE INSPECTION (FINISH) | 0..1 |
| TIME OF THE INSPECTION - FINISH | | | | | M1 - 8. TIME OF THE INSPECTION (FINISH) | 0..1 |
| DATE OF DEPARTURE FROM VESSEL | IS_Report / IS_Event / TypeCode= "INSPECTION" +Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD" +OccurrenceDelimitedPeriod / End.DateTime | Code DateTime | The date and time of leaving of the Inspection party from the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="PRESENCE_ON_BOARD" e.g. 2008-10-31T15:07:38Z | | 0..1 |
| TIME OF DEPARTURE FROM VESSEL | | | | | | 0..1 |

2 INSPECTION MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|------------------|---|--|---|-------------|
| PATROL VESSEL | IS_Report / Vessel_Transport Means / RoleCode="PATROL_VESSEL" | Association Code | Details about the Patrol vessel from which the inspection is performed. | listID="ISR_VESSEL_ROLE" +value="PATROL_VESSEL" | M1 - 3. INSPECTION VESSEL | 1 |
| FLAG | IS_Report / Vessel_Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the Patrol vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M1 - 3. FLAG | 1 |
| NAME | IS_Report / Vessel_Transport Means / Name | Text | Name of the vessel as in the national register | | M1 - 3. NAME | 0..1 |
| EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER | IS_Report / Vessel_Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification or Pennant number of the vessel | at least one of 2.1.3, 2.1.4, 2.1.5 SchemeID ="EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 3. EXTERNAL REGISTRATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | at least one of 2.1.3, 2.1.4, 2.1.5 SchemeID ="IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 4. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| IMO NUMBER | IS_Report / Vessel_Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | at least one of 2.1.3, 2.1.4, 2.1.5 SchemeID ="UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| PATROL VESSEL POSITION EVENT | IS_Report / Vessel_Transport Means / Vessel_Position event | Association | Information about the patrol vessel's location at the start of the inspection | Must include an empty TypeCode child element for the XML to validate against the XSD, though it is not used in ISR. | M1 - 9. POSITION OF THE INSPECTION VESSEL | 0..1 |
| LATITUDE | IS_Report / Vessel_Transport Means / Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | M1 - 9. LATITUDE | 1 |
| LONGITUDE | IS_Report / Vessel_Transport Means / Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | M1 - 9. LONGITUDE | 1 |
| DATE OF THE POSITION TIME OF THE POSITION | IS_Report / Vessel_Transport Means / Vessel Position_Event / ObtainedOccurrenceDateTime | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection (Element 1.8) | | 1 1 |
| LOCATION OF THE PATROL VESSEL | IS_Report / Vessel_Transport Means/ FLUX_Location /TypeCode= "AREA" /ID | Code Identifier | The fishing, statistical or management area the patrol vessel is in at the start of the inspection (with as much precision as possible) | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M1 - 10. LOCATION OF THE INSPECTION | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------|---|------------------------------|--|---|--|-------------|
| | | | | | VESSEL (DETAILED FISHING AREA) | |
| INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode = "INSPECTOR_IN_CHARGE" | Association Code | Details about the inspector in charge of the inspection | listID="FLUX_CONTACT_ROLE" +value="INSPECTOR_IN_CHARGE" | | 0..1 |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the Inspector in charge | Given Name and Family name are mandatory | M1 - 11. INSPECTOR IN CHARGE | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the Inspector in charge | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 - 12. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRItemCharacteristic / TypeCode= "INSPECT_CARD_PRESENTED" +ValueIndicator / IndicatorString | Indicator | Whether or not the Inspector in charge has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 29. IDENTIFICATION FOR INSPECTORS | 0..1 |
| SECOND INSPECTOR | IS_report / ContactParty / RoleCode = "SECOND_INSPECTOR" | Association Code | Details about the second inspector present for the inspection | listID="FLUX_CONTACT_ROLE" +value="SECOND_INSPECTOR" | | 0..1 |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the second Inspector | Given Name and Family name are mandatory | M1 - 13. INSPECTOR 2 | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_Country | Identifier | The country of nationality of the second Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 - 14. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRItemCharacteristic / TypeCode= "SECOND_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the second inspector has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 29. IDENTIFICATION FOR INSPECTORS | 0..1 |
| OTHER INSPECTOR | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" | Association Code | Details about the other inspectors present for the inspection | listID="FLUX_CONTACT_ROLE" +value="OTHER_INSPECTOR" | | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / | Text Text Text Text | The given name and family name of the other Inspector | Given Name and Family name are mandatory | M1 - 13. INSPECTOR 2 | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------|--|--|--|-------------|
| | Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | | | | | |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the other Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 - 14. NATIONALITY | 0..1 |
| OTHER INSPECTORS SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "OTHER_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the other inspectors have ALL presented their service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" Note: value is Yes if all cards have been presented, No if at least one hasn't | M1 - 29. IDENTIFICATION FOR INSPECTORS | 0..1 |

3 PRE-INSPECTION

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|-------------------|--|---|--|-------------|
| RADIO CALL PRE- BOARDING | IS_Report / ISRIItemCharacteristic / TypeCode= "RADIO_CALL_PRE- BOARDING" +ValueIndicator / IndicatorString | Indicator | Whether or not a radio call with the inspected vessel has taken place before boarding | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 26. RADIO CALL PRE BOARDING | 0..1 |
| VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the fishing logbook completion before the inspection was checked (Yes, No, N/A). If yes, whether it was completed before the inspection (Yes, No). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 27. FISHING LOG- BOOK COMPLETED BEFORE INSPECTION | 0..1 |
| BOARDING LADDER CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "BOARDING_LADDER_CHECKED" +CheckInspectionCode | Code | Whether the boarding ladder was checked before boarding. Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M1 - 28. BOARDING LADDER | 0..1 |

4 INSPECTED VESSEL

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------|--|---------------------|---|---|--|-------------|
| INSPECTED VESSEL | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" | Association Code | Details about the Inspected vessel | listID="ISR_VESSEL_ROLE" +value="INSPECTED_VESSEL" | M1 - 15. TARGET FISHING VESSEL DETAILS | 1 |
| NAME | IS_Report / Vessel_Transport Means / Name | Text | Name of the vessel as in the national register | | M1 - 15. NAME | 1 |
| FLAG | IS_Report / Vessel_Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the inspected vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M1 - 15. FLAG | 1 |
| VESSEL TYPE | IS_Report / Vessel_Transport Means / TypeCode | Code | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) | listID="VESSEL_TYPE" | M1 - 17. TYPE OF THE VESSEL | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|---------------------|---|--|--|-------------|
| EXTERNAL REGISTRATION NUMBER | IS_Report / Vessel_Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID ="EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 15. EXTERNAL REGISTRATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID ="IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 19. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| IMO NUMBER | IS_Report / Vessel_Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID ="UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 20. INTERNATIONAL MARITIME ORGANISATION NUMBER | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / Vessel_Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID ="CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M1 - 21. COMMUNITY FLEET REGISTER NUMBER | 0..1 |
| INSPECTED VESSEL POSITION EVENT | IS_Report / Vessel_Transport Means / Vessel Position_Event | Association | Information about the inspected vessel's location at the start of the inspection | Should only be indicated if different from the Inspection vessel's position | M1 - 16. POSITION AND LOCATION OF THE VESSEL IF DIFFERENT FROM THE INSPECTION VESSEL | 0..1 |
| LATITUDE | IS_Report / Vessel_Transport Means / Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | M1 - 16. LATITUDE | 1 |
| LONGITUDE | IS_Report / Vessel_Transport Means / Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | M1 - 16. LONGITUDE | 1 |
| DATE OF THE POSITION TIME OF THE POSITION | IS_Report / Vessel_Transport Means / Vessel Position_Event / ObtainedOccurrenceDateTim e | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection (Element 1.8) | | 1 1 |
| LOCATION OF THE INSPECTED VESSEL | IS_Report / Vessel_Transport Means / FLUX_Location /TypeCode= "AREA" +ID | Code Identifier | The fishing, statistical or management area the inspected vessel was in at the start of the inspection | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M1 - 16. LOCATION OF THE INSPECTION VESSEL (DETAILED FISHING AREA) | 0..1 |
| ACTIVITY | IS_Report / ISRItemCharacteristic / TypeCode= "VESSEL_ACTIVITY" +ValueCode | Code | The activity the inspected vessel was engaged in before the inspection started | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueCode must be in listID="VESSEL_ACTIVITY" | | 0..1 |
| VMS OPERATIONAL CHECK | IS_Report / ISRItemCharacteristic / TypeCode= "VMS_OPERATIONAL" | Code Indicator Text | Whether the operational status of the VMS was checked (Yes, No, N/A) and result of the check | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in | M1 - 36. VMS OPERATIONAL | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------|--|------------------------------|---|---|---|-------------|
| | +CheckInspectionCode +ValueIndicator +Value (text) | | (Yes, No). For third countries vessels, report if VMS national or RFMO regime in Value (text) | listID="ISR_CHECK" ValueIndicator indicates whether the VMS was operational or not ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | |
| REM OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "REM_OPERATIONAL" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the operational status of the REM (aka CCTV) was checked (Yes, No, N/A) and result of the check (Yes, No). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the REM was operational or not ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 37. REMOTE ELECTRONIC MONITORING OPERATIONAL | 0..1 |
| LAST PORT OF CALL | IS_Report/ ISRIItemCharacteristic / TypeCode= "LAST_PORT_OF_CALL" | Association | Information about the last call in port by the Inspected Vessel | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M1 - 47. LAST PORT OF CALL DETAILS | 0..1 |
| PORT | IS_Report/ ISRIItemCharacteristic / TypeCode= "LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Identifier | The port in which the inspected vessel last called | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID="LOCATION" | M1 - 47. PORT (UN/LOCODES) | 0..1 |
| DATE | IS_Report/ ISRIItemCharacteristic / TypeCode= "LAST_PORT_OF_CALL" +Value .DateTime | DateTime | The date of the last calling in port of the inspected vessel | The UTC date and time according to ISO 8601 format. e.g. 2008-10- 31T13:23:05Z. Use 00:00:00Z to indicate only the date. | M1 - 47. DATE | 0..1 |
| OWNER | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" | Association Code | Details about the vessel owner | listID="FLUX_CONTACT_ROLE" +value="OWNER" | M1 - 22. OWNER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Name | Text | The name of the legal entity owning the vessel | | M1 - 22. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the vessel owner | Given Name and Family name are mandatory | M1 - 22. NAME | 0..1 |
| NATIONALITY | IS_Report / Vessel_Transport Means / ContactParty / Nationality_Country | Identifier | The country of nationality of the vessel owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 - 22. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel owner | | M1 - 22. ADDRESS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------|---|------------------------------|--|---|----------------------------|-------------|
| CHARTERER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="CHARTERER" | Association Code | Details about the vessel charterer | listID="FLUX_CONTACT_ROLE" +value="CHARTERER" | M1 - 23. CHARTERER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Name | Text | The name of the legal entity chartering the vessel | | M1 - 23. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel charterer | Given Name and Family name are mandatory | M1 - 23. NAME | 0..1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel charterer | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 - 23. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel charterer | | M1 - 23. ADDRESS | 0..1 |
| AGENT | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="AGENT" | Association Code | Details about the vessel agent | listID="FLUX_CONTACT_ROLE" +value="AGENT" | M1 - 24. AGENT DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Name | Text | The name of the legal entity serving as agent for the vessel | | M1 - 24. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel agent | Given Name and Family name are mandatory | M1 – 24. NAME | 0..1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel agent | schemeID="TERRITORY" +value (Country ISO3 CODE) | M1 – 24. NATIONALITY | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|--|------------------------------|---|---|----------------------------------|-------------|
| ADDRESS | IS_Report / Vessel_Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel agent | | M1 – 24. ADDRESS | 0..1 |
| MASTER | IS_Report / Vessel_Transport Means / ContactParty / RoleCode="MASTER" | Association Code | Details about the vessel master | listID="FLUX_CONTACT_ROLE" +value="MASTER" | M1 – 25. MASTER/CAPITAIN DETAILS | 1 |
| PERSON NAME | IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel master | Given Name and Family name are mandatory | M1 - 25. NAME | 1 |
| NATIONALITY | IS_Report / Vessel_Transport Means / ContactParty / Nationality_Country | Identifier | The country of nationality of the vessel master | schemelD="TERRITORY" +value (Country ISO3 CODE) | M1 - 25. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel master | | M1 - 25. ADDRESS | 0..1 |

5 DOCUMENTS & AUTHORISATIONS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|----------------------------------|---|---------------------|---|--|---|-------------|
| DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "DOCUMENTS_CHECKED" +CheckInspectionCode | Code | Whether the vessel's documents were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific documents are indicated in the following items. | M1 - 31. INSPECTION OF DOCUMENTS AND AUTHORISATIONS | 0..1 |
| CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether the vessel's certificate of Registry ID was checked (Yes, No, N/A) and whether it was on board (Yes, No). For third countries vessels, details to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 32. CERTIFICATE OF REGISTRY ID | 0..1 |
| PROPULSION POWER CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "ENGINE_PROP_POWER_CHECK" +CheckInspectionCode | Code | Whether a physical verification of the engine power vs what is in the documents was done (yes, No, N/A). If yes, PROPULSION POWER DETAILS in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 33. ENGINE PROPULSION POWER CHECK | 0..1 |
| PROPULSION POWER DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= | Text | Details about the physical verification of the engine power vs what is In the documents. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------------------|--|----------------|--|--|--|-------------|
| | "ENGINE_PROP_POWER_CHECK" +Value (text) | | | value of CheckInspectionCode in listID="ISR_CHECK" | | |
| FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing licence details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). Use N/A if there was no license. For third countries vessels, FISHING LICENCE DETAILS to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing license was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 34. FISHING LICENCE DETAILS | 0..1 |
| FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +Value (text) | Text | Details about fishing license | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing authorisation details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). Use N/A if there was no authorisation. For third countries vessels, FISHING AUTHORISATION DETAILS to be reported as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing authorisation was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 35. FISHING AUTHORISATION DETAILS | 0..1 |
| FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +Value (text) | Text | Details about fishing authorisation. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Code | Whether the vessel's paper fishing logbook was checked or not (Yes, No, N/A). Use N/A if there was no paper logbook. Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about the paper logbook are indicated in the following items. | | 0..1 |
| NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode= "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | Numeric | Total number of paper fishing log sheet | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M1 - 38. NUMBER OF PAPER FISHING LOG SHEET | 0..1 |
| FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "FIRST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the first log sheet of the fishing logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |
| LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "LAST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the last log sheet of the fishing logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |
| ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "E_FISHING_LOGBOOK_CHECK" +CheckInspectionCode | Code | Whether the vessel's electronic fishing logbook was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|----------------|---|--|---|-------------|
| | | | | Details about the electronic logbook are indicated in the following items. | | |
| ELECTRONIC FISHING LOGBOOK REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode="ELECTRONIC_LOGBOOK_REFERENCE" +Value (text) | Code Text | The Unique fishing trip identifier, if available | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M1 - 39. E-FISHING LOGBOOK REFERENCE | 0..1 |
| PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the sending of prior notification was checked (Yes, No, N/A) and if Yes, did the vessel send any notification prior to calling in port (Yes, No). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the Port State Measures Agreement | M1 - 40. PRIOR NOTIFICATION REFERENCE | 0..1 |
| PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode="PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Code | The purpose indicated in the prior notification | listID="FA_REASON_ARRIVAL" | M1 - 41. PURPOSE OF NOTIFICATION | 0..1 |
| STOWAGE PLAN CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="STOWAGE_PLAN_CHECKED" +CheckInspectionCode | Code | Whether the stowage plan was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 43. STOWAGE PLAN | 0..1 |
| FISH ROOM CERTIFICATE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="FISH_ROOM_CERTIFICATE_CHECKED" +checked. Code | Code | Whether the fish room certificate was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 42. FISH ROOM CERTIFICATE | 0..1 |
| ULLAGE TABLES FOR REFRIGERATED SEA WATER TANKS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="ULLAGE_TABLES_TANKS_CHECKED" +CheckInspectionCode | Code | Whether the ullage tables for refrigerated sea water tanks were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 44. ULLAGE TABLES FOR REFRIGERATED SEA WATER TANKS | 0..1 |
| CERTIFICATION FOR ON BOARD WEIGHING SYSTEMS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="CERTIF_WEIGH_SYSTEMS_CHECK" +CheckInspectionCode | Code | Whether the certification for on board weighing systems check was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 45. CERTIFICATION FOR ON BOARD WEIGHING SYSTEMS | 0..1 |
| MEMBERSHIP OF A PRODUCER ORGANISATION | IS_Report / ISRIItemCharacteristic / TypeCode="MEMBER_PRODUCER_ORGANISATION" +ValueIndicator | Indicator | Whether the vessel is part of a producer organisation. If yes, details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 46. MEMBERSHIP OF A PRODUCER ORGANISATION | 0..1 |
| PRODUCER ORGANISATION REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode="MEMBER_PRODUCER_ORGANISATION" +Value (text) | Text | Name/reference of the producer organisation the vessel is part of | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |

6 GEAR

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|---|-----------|---|---|--------------------------|-------------|
| GEAR CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="GEAR_CHECKED" +CheckInspectionCode | Code | Whether the fishing gear was checked or not (Yes, No, N/A). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 58. GEAR INSPECTION | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--------------------------------|---|-------------|--|--|------------------------------|-------------|
| | | | | Details about the fishing gear checks are indicated in the following items. | | |
| EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "EC_GAUGE_CHECKED" +CheckInspectionCode | Code | Whether the EC gauge was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | | 0..1 |
| GEAR MARKING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "GEAR_MARKING_CHECKED" +CheckInspectionCode | Code | Whether the gear markings were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 63. GEAR MARKING | 0..1 |
| GEAR | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / | Association | Details about each inspected fishing gear | | | 0..n |
| GEAR TYPE | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / TypeCode | Code | The type of the gear in FAO 3-alpha codes | listID="GEAR_TYPE" | M1 - 59. GEAR DETAILS (TYPE) | 0..1 |
| GEAR DETAILS CHARACTERISTIC | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / Gear Inspection_ Event / Gear_ Characteristic / TypeCode +Value | Code Value | Characteristics of each inspected gear that were checked | listID="FA_GEAR_CHARACTERISTIC " The data type of the Value depends on the characteristic checked. See dedicated table. | | 0..n |
| GEAR ATTACHMENT | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / | Association | Details about each attachment of the inspected fishing gear | | | 0..n |
| GEAR ATTACHMENT TYPE | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / TypeCode | Code | The type of the gear attachment | listID="FA_DEVICE_GEAR_ATTACHMENT" | | 0..1 |
| GEAR ATTACHMENT CHARACTERISTIC | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / Gear Equipment Inspection_ Event / Gear_ Characteristic / TypeCode +Value | Code Value | Characteristics of each inspected gear attachment that were checked | There is no standard code list for gear attachment characteristic. They shall be report using TypeCode (free code) or Value (text) | | 0..n |

7 CATCH / PRODUCT

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------|--|-----------|---|--|------------------------------|-------------|
| CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_CHECKED" +CheckInspectionCode | Code | Whether the catch on board the inspected vessel was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch- related checks are indicated in the following items. | M1 - 49. CATCH INSPECTION | 1 |
| WEIGHING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_WEIGHING_CHECKED" +CheckInspectionCode | Code | Whether the catch weighing was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 55. WEIGHING CHECK | 0..1 |
| BOX/CONTAINER COUNT CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= | Code | Whether the box/container count was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M1 - 55. BOX/CONTAINER COUNT | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|--------------------|--|--|--|-------------|
| | "BOX_CONTAINER_COUNT_CHECKED" +CheckInspectionCode | | | value of CheckInspectionCode in listID="ISR_CHECK" | | |
| ULLAGE TABLES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "ULLAGE_TABLES_CHECKED" +CheckInspectionCode | Code | Whether the ullage tables were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 55. ULLAGE TABLES | 0..1 |
| SAMPLING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SAMPLING_CHECKED" +CheckInspectionCode | Code | Whether the sampling was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 55. SAMPLING | 0..1 |
| MARGIN OF TOLERANCE PER SPECIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "MARGIN_TOL_SPECIES_CHECK" +CheckInspectionCode | Code | Whether the margin of tolerance per species was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | | 0..1 |
| SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SEP_REG_UNDERSIZED_CHECK" +CheckInspectionCode | Code | Whether the separate registration of undersize fish was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 52. SEPARATE REGISTRATION OF UNDERSIZED FISH | 0..1 |
| SEPARATE STOWAGE FOR UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SEP_STOW_UNDERSIZED_CHECK" +CheckInspectionCode | Code | Whether the separate stowage of undersize fish was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 54. SEPARATE STOWAGE FOR UNDERSIZED FISH | 0..1 |
| SEPARATE STOWAGE FOR DEMERSAL STOCKS UNDER MULTI-ANNUAL PLANS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SEP_STOW_DEMERSAL_CHECK" +CheckInspectionCode | Code | Whether the separate stowage for demersal stocks under multi-annual plans check was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M1 - 53. SEPARATE STOWAGE FOR DEMERSAL STOCKS UNDER MULTI-ANNUAL PLANS | 0..1 |
| CATCH RETAINED ON BOARD | IS_Report / Vessel_Transport Means / FA_Catch / TypeCode= "ONBOARD" | Association | The catch retained on board the vessel at the time of the inspection, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M1 - 50. CATCH ON BOARD DETAILS | 0..n |
| SPECIES | IS_Report / Vessel_Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M1 - 50. SPECIES | 1 |
| WEIGHT | IS_Report / Vessel_Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M1 - 50. QUANTITY | 0..1 |
| NUMBER OF FISHES | IS_Report / Vessel_Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |
| FISH PRESENTATION | IS_Report / Vessel_Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | | 0..1 |
| FISH PRESERVATION FORM | IS_Report / Vessel_Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / Vessel_Transport Means / FA_Catch / FLUX_Location /TypeCode= "AREA" +/ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: listID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M1 - 50. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Vessel_Transport Means / FA_Catch / Specified_Size_ Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------|---|----------------|--|--|--|-------------|
| DISCARD RECORDS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "DISCARD_RECORDS_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the discard records in the logbook were checked or not (Yes, No, N/A). If Yes, is there declaration of discard in logbook (Yes/No)? Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 56. REGISTRATION OF DISCARD DETAILS | 0..1 |
| DISCARD RECORDS | IS_Report / Vessel_Transport Means / FA_Catch / TypeCode= "DISCARDED" | Association | The discard records at the time of the inspection. One record per discard record. | listID="ISR_CATCH_TYPE" Same structure as CATCH ON BOARD | | 0..n |
| SPECIES | IS_Report / Vessel_Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species discarded | listID="FAO_SPECIES" | | 1 |
| WEIGHT | IS_Report / Vessel_Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species discarded | | | 0..1 |
| NUMBER OF FISHES | IS_Report / Vessel_Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species discarded | | | 0..1 |

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|-------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRIItemCharacteristic / TypeCode= "SUSPECTED_INFRINGEMENT_OBS" +ValueIndicator +Value (text) | Indicator | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRIInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|----------------------------------|---|-----------|---|--|--|-------------|
| ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +ValueIndicator | Indicator | Whether any actions were taken following the inspection (Yes/No). Report immediate enforcement and conservatory measures taken such as seals, seizure of the vessel or the transport vehicle, of the catch or the products, of the gear, rerouting of the vessel to a port , etc. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 67. ACTION TAKEN | 0..1 |
| ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +Value (text) | Text | Details of actions taken (mandatory if Actions taken) | | | 0..1 |
| INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the inspector in charge (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 68. INSPECTORS' SIGNATURE | 0..1 |
| MASTER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "MASTER_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the vessel master (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M1 - 69. MASTER/CAPITAIN'S SIGNATURE | 0..1 |

7.1.25.2. Inspection during transshipment (Module 2)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|--------------------|--|---|---|-------------|
| INSPECTION REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | schemeID="EU_ISR_ID" +Value | M2 - 1. INSPECTION REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, i.e. legal framework under which the inspection is performed | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| INSPECTION PROGRAMME | IS_Report / ISRItemCharacteristic / TypeCode= "INSPECTION_PROGRAMME" +Value. Code | Code | A code specifying the Inspection programme the inspection is part of. | ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | M2 - 2. MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty / ID +RoleCode= " CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the inspection. | Freely provided by the report producer | M2 - 2. INSPECTION AUTHORITY | 0..1 |
| DATE OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | Code DateTime | The date and time of the start of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M2 - 5. DATE OF THE INSPECTION - START | 1 |
| TIME OF THE INSPECTION - START | | | | | M2 - 6. TIME OF THE INSPECTION - START | 1 |
| DATE OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION"+OccurrenceDelimitedPe riod / End.DateTime | Code DateTime | The date and time of the end of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M2 - 7. DATE OF THE INSPECTION - FINISH | 0..1 |
| TIME OF THE INSPECTION - FINISH | | | | | M2 - 8. TIME OF THE INSPECTION - FINISH | 0..1 |
| RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode= "RELATED_TRX_INSPECTION_REPORT" +Value (text) | Text | The business human readable identifier of the ISR document covering the other vessel involved in the TRX. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | | | 0..1 |

2 INSPECTION MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------------|---|--|--|-------------|
| PATROL VESSEL | IS_Report / Vessel_ Transport Means / RoleCode="PATROL_VESSEL" | Association Code | Details about the Patrol vessel from which the inspection is performed. | listID="ISR_VESSEL_ROLE" +value="PATROL_VESSEL" | M2 - 3. INSPECTION VESSEL | 1 |
| FLAG | IS_Report / Vessel_ Transport Means / Registration Vessel_ Country / ID | Identifier | The Flag State of registration of the Patrol vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M2 - 3. FLAG | 1 |
| NAME | IS_Report / Vessel_ Transport Means / Name | Text | Name of the vessel as in the national register | | M2 - 3. NAME | 0..1 |
| EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification or Pennant number of the vessel | at least one of the 3 identifiers | M2 - 3. EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_ Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | at least one of the 3 identifiers | M2 - 4. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| IMO NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | at least one of the 3 identifiers | | 0..1 |
| PATROL VESSEL POSITION EVENT | IS_Report / Vessel_ Transport Means / Vessel_ Position event | Association | Information about the patrol vessel's location at the start of the inspection | Must include an empty TypeCode child element for the XML to validate against the XSD, though it is not used in ISR. | M2 - 9. POSITION OF THE INSPECTION VESSEL | 0..1 |
| LATITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | M2 - 9. LATITUDE | 1 |
| LONGITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | M2 - 9. LONGITUDE | 1 |
| DATE OF THE POSITION | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / ObtainedOccurrenceDateTime | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection | | 1 |
| TIME OF THE POSITION | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / ObtainedOccurrenceDateTime | DateTime | | | | 1 |
| LOCATION OF THE PATROL VESSEL | IS_Report / Vessel_ Transport Means / FLUX_ Location / TypeCode= "AREA" /ID | Code Identifier | The fishing, statistical or management area the patrol vessel is in at the start of the inspection (with as much precision as possible) | FLUX_ Location: listID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M2 - 10. LOCATION OF THE INSPECTION VESSEL (DETAILED FISHING AREA) | 0..1 |
| INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Association Code | Details about the inspector in charge of the inspection | listID="FLUX_CONTACT_ROLE" +value="INSPECTOR_IN_CHARGE" | M2 - 13. INSPECTOR IN CHARGE | 0..1 |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name | Text Text | The given name and family name of the Inspector in charge | Given Name and Family name are mandatory | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------|--|------------------------------|--|--|----------------------|-------------|
| | IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text | | | | |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the Inspector in charge | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 14. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRItemCharacteristic / TypeCode= "INSPECT_CHARGE_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the Inspector in charge has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | Association Code | Details about the second inspector present for the inspection | listID="FLUX_CONTACT_ROLE" +value="SECOND_INSPECTOR" | M2 - 15. INSPECTOR 2 | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the second Inspector | Given Name and Family name are mandatory | | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the second Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 16. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRItemCharacteristic / TypeCode= "SECOND_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the second inspector has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| OTHER INSPECTORS | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" | Association Code | Details about the other inspectors present for the inspection | listID="FLUX_CONTACT_ROLE" +value="OTHER_INSPECTOR" | | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the other Inspector | Given Name and Family name are mandatory | M2 - 15. INSPECTOR 2 | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------|--|---|----------------------|-------------|
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_Country | Identifier | The country of nationality of the other Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 16. NATIONALITY | 0..1 |
| OTHER INSPECTORS SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "OTHER_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the other inspectors have ALL presented their service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" Note: value is Yes if all cards have been presented, No if at least one hasn't | | 0..1 |

3 PRE-INSPECTION

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|---------------------|---|--|---|-------------|
| RADIO CALL PRE-BOARDING | IS_Report / ISRIItemCharacteristic / TypeCode= "RADIO_CALL_PRE-BOARDING" +ValueIndicator | Indicator | Whether or not a radio call with the inspected vessel has taken place before boarding | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 28. VMS CHECK PRE-BOARDING | 0..1 |
| TRANSHIPMENT AUTHORISATION DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "TRX_AUTH_DETAILS_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the Transhipment authorisation has been checked (CheckInspectionCode="Yes"/No/NA). If yes, is it on board and valid (ValueIndicator / IndicatorString="Y"/"N"). If YES, report the reference number, date, time, place and receiving vessel authorised, and issuing authority as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 35. TRANSHIPMENT AUTHORISATION DETAILS | 0..1 |
| VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the fishing logbook's completion before the inspection was checked (yes, No, N/A). If yes, whether it was completed before inspection (Y/N). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Values of ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 29. FISHING LOG-BOOK COMPLETED BEFORE TRANSHIPMENT | 0..1 |
| VESSEL E-FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "ELOGBOOK_BEFR_INSPECTION_CHECK" +CheckInspectionCode | Code Indicator | Whether the electronic fishing logbooks completion before the inspection was checked (yes, No, N/A) and result of the check (Yes, No). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing logbooks had been completed before the inspection or not ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| VMS PRE-BOARDING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "VMS_PRE-BOARDING_CHECKED" +CheckInspectionCode | Code Indicator | Whether the VMS was checked before boarding/arrival (yes, No, N/A) and result of the check (Yes/OK, No/NOT OK). Optional details as Value (text). For third countries vessels, report if VMS national or RFMO regime (as free text details) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the VMS had been checked before the inspection or not ValueIndicator / IndicatorString in code list | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|----------------|-----------|-------------|---|--------------------|-------------|
| | | | | "BOOLEAN_TYPE". Value(text) is used to indicate the VMS regime | | |

4 INSPECTED VESSEL

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|------------------|--|---|--|-------------|
| PORT | IS_Report/ ISRIItemCharacteristic /TypeCode= "PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | Identifier | The port in which the vessel is being inspected, if any | FLUX_Location: listID="ISR_AREA_TYPE ID: schemeID="LOCATION" | M2 - 11. LOCATION OF THE PORT | 0..1 |
| DESIGNATED? | IS_Report/ ISRIItemCharacteristic /TypeCode= "DESIGNATED_PORT" +ValueIndicator | Indicator | Whether the port is part of the list of designated ports for Transhipment (Yes/No) | Yes/No | M2 - 12. DESIGNATED PORT | 0..1 |
| INSPECTED VESSEL | IS_report / Vessel_ Transport Means / RoleCode="INSPECTED_DONOR_VESSEL" or RoleCode="INSPECTED_RECEIVING_VESSEL" | Association Code | Details about the Inspected (donor or receiving) vessel | listID="ISR_VESSEL_ROLE" +value="INSPECTED_DONOR_VESSEL" or value="INSPECTED_RECEIVING_VESSEL" | M2 – 17/48 DONOR/RECEIVING FISHING VESSEL DETAILS | 1 |
| NAME | IS_Report / Vessel_ Transport Means / Name | Text | Name of the vessel as in the national register | | M2 – 17/48. NAME | 0..1 |
| FLAG | IS_Report / Vessel_ Transport Means / Registration Vessel_ Country / ID | Identifier | The Flag State of registration of the inspected vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M2 - 17/48. FLAG | 1 |
| VESSEL TYPE | IS_Report / Vessel_ Transport Means / TypeCode | Code | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) | listID="VESSEL_TYPE" | M2 – 19/50. TYPE OF THE VESSEL | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M2 - 17/48. EXTERNAL REGISTRATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_ Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M2 – 21/52. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| IMO NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M2 – 22/53. INTERNATIONAL MARITIME ORGANISATION NUMBER | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / Vessel_ Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M2 – 23/54. COMMUNITY FLEET REGISTER NUMBER | 0..1 |
| INSPECTED VESSEL POSITION EVENT | IS_Report / Vessel_ Transport Means / Vessel Position_ Event | Association | Information about the inspected vessel's location at the start of the inspection | Should only be indicated if different from the Inspection vessel's position | M2 – 18/49. POSITION AND LOCATION OF THE VESSEL | 0..1 |
| LATITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. | M2 - 18/49. LATITUDE | 1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|------------------------------|--|--|--|-------------|
| | | | | Positive coordinate refers to North of equator. Negative coordinate refers to South. | | |
| LONGITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | M2 - 18/49. LONGITUDE | 1 |
| DATE OF THE POSITION TIME OF THE POSITION | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / ObtainedOccurrenceDateTim e | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection | | 1 1 |
| LOCATION OF THE INSPECTED VESSEL | IS_Report / Vessel_ Transport Means / FLUX_ Location /TypeCode= "AREA" +ID | Code Identifier | The fishing, statistical or management area the inspected vessel was is in at the start of the inspection | FLUX_ Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M2 - 18/49. DETAILED FISHING AREA | 0..1 |
| VMS OPERATIONAL CHECK | IS_Report / ISRItemCharacteristic / TypeCode= "VMS_OPERATIONAL" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether the operational status of the VMS was checked (Yes, No, N/A) and result of the check (Yes, No). For third countries vessels, report if VMS national or RFMO regime in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the VMS was operational or not ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 36. VMS OPERATIONAL/65 | 0..1 |
| LAST PORT OF CALL | IS_Report/ ISRItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" | Association | Information about the last call in port by the Inspected Vessel | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M2 – 41/70. LAST PORT OF CALL DETAILS | 0..1 |
| PORT | IS_Report/ ISRItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" +FLUX_ Location / TypeCode ="LOCATION"/ ID | Identifier | The port in which the inspected vessel last called | FLUX_ Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID="LOCATION" | M2 – 41/70. PORT | 0..1 |
| DATE | IS_Report/ ISRItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" +Value .DateTime | Date | The date of the last calling in port of the inspected vessel | The UTC date time according to ISO 8601 format. e.g. 2008-10- 31Z. Use 00:00:00Z to indicate only the date. | M2 – 41/70. DATE | 0..1 |
| OWNER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="OWNER" | Association Code | Details about the vessel owner | listID="FLUX_CONTACT_ROLE" +value="OWNER" | M2 – 24/55. OWNER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Name | Text | The name of the legal entity owning the vessel | | M2 - 24/55. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / | Text Text Text Text | The given name and family name (at least) of the vessel owner | Given Name and Family name are mandatory | M2 - 24/55. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------|---|------------------------------|--|---|-------------------------------|-------------|
| | ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | | | | | |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 24/55. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel owner | | M2 - 24/55. ADDRESS | 0..1 |
| CHARTERER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="CHARTERER" | Association Code | Details about the vessel charterer | listID="FLUX_CONTACT_ROLE" +value="CHARTERER" | M2 – 25/56. CHARTERER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Name | Text | The name of the legal entity chartering the vessel | | M2 - 25/56. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel charterer | Given Name and Family name are mandatory | M2 - 25/56. NAME | 0..1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel charterer | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 25/56. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel charterer | | M2 - 25/56. ADDRESS | 0..1 |
| AGENT | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="AGENT" | Association Code | Details about the vessel agent | listID="FLUX_CONTACT_ROLE" +value="AGENT" | M2 – 26/57. AGENT DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Name | Text | The name of the legal entity serving as agent for the vessel | | M2 - 26/57. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / | Text Text Text Text | The given name and family name of the vessel agent | Given Name and Family name are mandatory | M2 - 26/57. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|---|------------------------------|---|---|----------------------------|-------------|
| | Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | | | | | |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel agent | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 26/57. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel agent | | M2 - 26/57. ADDRESS | 0..1 |
| MASTER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="MASTER" | Association Code | Details about the vessel master | listID="FLUX_CONTACT_ROLE" +value="MASTER" | M2 – 27/58. MASTER DETAILS | 1 |
| NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel master | Given Name and Family name are mandatory | M2 - 27/58. NAME | 1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel master | schemeID="TERRITORY" +value (Country ISO3 CODE) | M2 - 27/58. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel master | | M2 - 27/58. ADDRESS | 0..1 |

5 DOCUMENTS & AUTHORISATIONS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------|--|-----------|---|---|---|-------------|
| DOCUMENTS CHECK | IS_Report / ISRItemCharacteristic / TypeCode= "DOCUMENTS_CHECKED" +CheckInspectionCode | Code | Whether the vessel's documents were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific documents are indicated in the following items. | M2 – 31/62. INSPECTIONS OF DOCUMENTS AND AUTHORISATIONS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------------------|---|---------------------|--|---|---|-------------|
| CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether the vessel's certificate of Registry ID was checked (Yes, No, N/A) and whether it was on board (Yes, No). For third countries vessels, details to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 – 32/63. CERTIFICATE OF REGISTRY ID | 0..1 |
| FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing licence details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). For third countries vessels, FISHING LICENCE DETAILS to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing license was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 – 33/64. FISHING LICENCE DETAILS | 0..1 |
| FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +Value (text) | Text | Details about fishing license | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing authorisation details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). For third countries vessels, FISHING AUTHORISATION DETAILS to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing authorisation was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 – 34/64. FISHING AUTHORISATION DETAILS | 0..1 |
| FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +Value (text) | Text | Details about fishing authorisation | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Code | Whether the vessel's paper fishing logbook was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about the paper logbook are indicated in the following items. | | 0..1 |
| NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode= "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | Numeric | Total number of paper fishing log sheet | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M2 – 37/66. NUMBER(S) OF PAPER FISHING LOG SHEET(S) | 0..1 |
| FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "FIRST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the first log sheet of the fishing logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |
| LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "LAST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the last log sheet of the fishing logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--------------------------------------|---|-------------------|---|--|---|-------------|
| ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "E_FISHING_LOGBOOK_CHECK" +CheckInspectionCode | Code | Whether the vessel's electronic fishing logbook was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about the electronic logbook are indicated in the following items. | | 0..1 |
| ELECTRONIC FISHING LOGBOOK REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode= "ELECTRONIC_LOGBOOK_REFERENCE" +Value (text) | Code Text | The Unique fishing trip identifier, if available | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M2 – 38/67. E-FISHING LOGBOOK REFERENCE | 0..1 |
| PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the sending of prior notification was checked (Yes, No, N/A) and if Yes, did the vessel send any notification prior to calling in port (Yes, No). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the Port State Measures Agreement | M2 – 39/68. PRIOR NOTIFICATION REFERENCE | 0..1 |
| PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode= "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Code | The purpose indicated in the prior notification | listID="FA_REASON_ARRIVAL" | M2 – 40/69. PURPOSE OF PRIOR NOTIFICATION | 0..1 |

6 GEAR

None

7 CATCH / PRODUCT

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------------------|---|-------------|---|--|------------------------------------|-------------|
| CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_CHECKED" +CheckInspectionCode +ValueIndicator | Code | Whether the inspected vessel's catch was checked or not (CheckInspectionCode="Yes", "No", "N/A"). If yes, whether there were catches on board (ValueIndicator / IndicatorString="Y" or "N"). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch- related checks are indicated in the following items. | M2 – 43/72. CATCH INSPECTION | 0..1 |
| CATCH ON BOARD BEFORE TRANSHIPMENT | IS_Report / Vessel_ Transport Means / FA_Catch / TypeCode= "ONBOARD" | Association | The catch retained on board the vessel at the time of the inspection, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M2 – 44/73. CATCH ON BOARD DETAILS | 0..n |
| SPECIES | IS_Report / Vessel_ Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M2 – 44/73. SPECIES | 1 |
| WEIGHT | IS_Report / Vessel_ Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M2 - 44/73. WEIGHT | 0..1 |
| NUMBER OF FISHES | IS_Report / Vessel_ Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------|---|-----------------|---|---|------------------------------------|-------------|
| FISH PRESENTATION | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M2 - 44/73. FISH PRESENTATION | 0..1 |
| PRESERVATION FORM | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / Vessel_ Transport Means / FA_Catch / FLUX_Location / TypeCode= "AREA" +/ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M2 - 44/73. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Vessel_ Transport Means / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |
| CATCH TRANSHIPPED | IS_Report / Vessel_ Transport Means / FA_Catch / Type = "UNLOADED" | Association | The catch unloaded to the receiving vessel during the transshipment, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M2 - 46. CATCH TRANSHIPPED DETAILS | 0..n |
| SPECIES | IS_Report / Vessel_ Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M2 - 46. SPECIES | 1 |
| WEIGHT | IS_Report / Vessel_ Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M2 - 46. WEIGHT | 0..1 |
| NUMBER OF FISHES | IS_Report / Vessel_ Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |
| FISH PRESENTATION | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M2 - 46. FISH PRESENTATION | 0..1 |
| PRESERVATION FORM | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form in FAO-alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / Vessel_ Transport Means / FA_Catch / FLUX_Location / TypeCode= "AREA" +/ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M2 - 46. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Vessel_ Transport Means / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |
| CATCH RECEIVED | IS_Report / Vessel_ Transport Means / FA_Catch / Type = "LOADED" | Association | The catch received from the donor vessel during the transshipment, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M2 - 74. CATCH RECEIVED DETAILS | 0..n |
| SPECIES | IS_Report / Vessel_ Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M2 - 74. SPECIES | 1 |
| WEIGHT | IS_Report / Vessel_ Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M2 - 74. WEIGHT | 0..1 |
| NUMBER OF FISHES | IS_Report / Vessel_ Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |
| FISH PRESENTATION | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FI3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M2 - 74. FISH PRESENTATION | 0..1 |
| FISH PRESERVATION FORM | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form iIAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|----------------|---|-----------------|---|---|---------------------|-------------|
| CATCH AREA | IS_Report / Vessel_ Transport Means / FA_Catch / FLUX_Location / TypeCode= "AREA" +/ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: listID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M2 - 74. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Vessel_ Transport Means / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|----------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRItemCharacteristic / TypeCode= "SUSPECTED_INFRINGEMENT_OBS" | Indicator Text | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|-----------|---|---|--------------------------------------|-------------|
| ACTIONS TAKEN | IS_Report / ISRItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +ValueIndicator | Indicator | Whether any actions were taken following the inspection (Yes/No). Report immediate enforcement and conservatory measures taken such as seals, seizure of the vessel or the transport vehicle, of the catch or the products, of the gear, rerouting of the vessel to a port , etc. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 78. ACTION(S) TAKEN | 0..1 |
| ACTIONS TAKEN DETAILS | IS_Report / ISRItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +Value (text) | Text | Details of actions taken (mandatory if Actions taken) | | | 0..1 |
| INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRItemCharacteristic / TypeCode= "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the inspector in charge (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 79. INSPECTORS' SIGNATURE | 0..1 |
| MASTER SIGNATURE | IS_Report / ISRItemCharacteristic / TypeCode= "MASTER_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the vessel master (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M2 - 80. MASTER/CAPITAIN'S SIGNATURE | 0..1 |

7.1.25.3. Inspection in port (Module 3)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|-----------------|---|---|-------------------------------------|-------------|
| INSPECTION REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | schemeID="EU_ISR_ID" +Value | M3 - 1. INSPECTION REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, i.e. legal framework under which the inspection is performed | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| INSPECTION PROGRAMME | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECTION_PROGRAMME" +ValueCode | Code | A code specifying the Inspection programme the inspection is part of. | ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | M3 - 2 MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty /RoleCode= "CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the inspection. | Freely provided by the report producer | M3 - 2 INSPECTION AUTHORITY | 0..1 |
| DATE OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" | Code | The date and time of the start of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M3 - 3. DATE OF THE INSPECTION | 1 |
| TIME OF THE INSPECTION - START | +OccurrenceDelimitedPeriod / Start.DateTime | Code | | | M3 - 4. TIME OF THE INSPECTION | 1 |
| DATE OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION" | Code | The date and time of the end of the inspection of the inspected vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M3 - 5. DATE OF THE INSPECTION | 0..1 |
| TIME OF THE INSPECTION - FINISH | +OccurrenceDelimitedPeriod / End.DateTime | Code | | | M3 - 6. TIME OF THE INSPECTION | 0..1 |

2 INSPECTION MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------|---|------------------|---|--|-----------------------------|-------------|
| INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Association Code | Details about the inspector in charge of the inspection | listID="FLUX_CONTACT_ROLE" +value="INSPECTOR_IN_CHARGE" | M3 - 9. INSPECTOR IN CHARGE | 0..1 |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / | Text Text | The given name and family name of the Inspector in charge | Given Name and Family name are mandatory | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------|--|------------------------------|--|--|--|-------------|
| | Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text | | | | |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the Inspector in charge | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 10. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECT_CHARGE_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the Inspector in charge has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 26. IDENTIFICATION FOR INSPECTORS | 0..1 |
| SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | Association Code | Details about the second inspector present for the inspection | listID="FLUX_CONTACT_ROLE" +value="SECOND_INSPECTOR" | M3 - 11. INSPECTOR 2 | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the second Inspector | Given Name and Family name are mandatory | | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the second Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 12. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "SECOND_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the second inspector has presented his/her service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 26. IDENTIFICATION FOR INSPECTORS | 0..1 |
| OTHER INSPECTORS | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" | Association Code | Details about the other inspectors present for the inspection | listID="FLUX_CONTACT_ROLE" +value="OTHER_INSPECTOR" | | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the other Inspector | Given Name and Family name are mandatory | M3 - 11. INSPECTOR 2 | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------|--|---|--|-------------|
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_Country | Identifier | The country of nationality of the other Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 12. NATIONALITY | 0..1 |
| OTHER INSPECTORS SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "OTHER_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the other inspectors have ALL presented their service card to the Inspected Vessel's master | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" Note: value is Yes if all cards have been presented, No if at least one hasn't | M3 - 26. IDENTIFICATION FOR INSPECTORS | 0..1 |

3 PRE-INSPECTION

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|---------------------|--|---|--|-------------|
| VMS PRE-ARRIVAL TO LAND CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "VMS_PRE-ARRIVAL_CHECK" +CheckInspectionCode" +ValueIndicator +optional Value (text) | Code Indicator Text | Whether the operational status of the VMS was checked (Yes, No, N/A) and result of the check (Yes, No). For third countries vessels, report if VMS national or RFMO regime in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" values of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the VMS was operational or not ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 24. VMS CHECK PRE-ARRIVAL TO LAND | 0..1 |
| VESSEL FISHING LOGBOOK COMPLETED BEFORE ARRIVAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the fishing logbook completion before the inspection was checked (Yes, No, N/A). If yes, whether it was completed before arrival (Yes/No). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" values of CheckInspectionCode in listID="ISR_CHECK" Values of Indicator.Value in listID="BOOLEAN_TYPE" | M3 - 25. FISHING LOG-BOOK COMPLETED BEFORE ARRIVAL | 0..1 |
| STATUS IN RFMO AREA(S) WHERE FISHING OR RELATED-FISHING ACTIVITIES HAVE BEEN TAKING PLACE INCLUDING IN ANY IUU FISHING VESSEL LISTING | IS_Report / Inspected Vessel_Status | | Information on the status of the vessel in RFMO area(s) where fishing or related-fishing activities have been taking place. | This is a PSMA- related field | | 0..n |
| RFMO | IS_Report / Inspected Vessel_Status / RegimeManagementCode | Code | listID="RFMO" (from ISR_MANAGEMENT_REGIMES) The code indicates the relevant RFMO | RegimeManagementCode in listID="RFMO". | | 1 |
| VESSEL RFMO IDENTIFIER | IS_Report / Inspected Vessel_Status / ISR Item_Characteristic / TypeCode= "VESSEL_RFMO_IDENTIFIER" +Value (text) | Text | The vessel identifier used by the RFMO, if any | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| VESSEL ON AUTHORISED LIST | IS_Report / Inspected Vessel_Status / ISRIItemCharacteristic / TypeCode= "VESSEL_ON_RFMO_AUTHORISED_LIST" +ValueIndicator | Indicator | Whether the vessel is on the RFMO's List of authorised vessels | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| VESSEL ON IUU LIST | IS_Report / Inspected Vessel_Status / ISRIItemCharacteristic / TypeCode= | Indicator | Whether the vessel is on the RFMO's List of IUU vessels | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|--|-----------|-------------|---|--------------------|-------------|
| | "VESSEL_ON_RFMO_IUU_LIST" +ValueIndicator | | | ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | |

4 INSPECTED VESSEL

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------------------|--|--------------------|--|---|---|-------------|
| INSPECTED VESSEL | IS_report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" | Associaton Code | Details about the Inspected vessel | listID="ISR_VESSEL_ROLE" +value="INSPECTED_VESSEL" | M3 - 13. TARGET FISHING VESSEL DETAILS | 1 |
| NAME | IS_Report / Vessel_ Transport Means / Name | Text | Name of the vessel as in the national register | | M3 - 13. NAME | 0..1 |
| FLAG | IS_Report / Vessel_ Transport Means / Registration Vessel_ Country / ID | Identifier | The Flag State of registration of the inspected vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M3 - 13. FLAG | 1 |
| VESSEL TYPE | IS_Report / Vessel_ Transport Means / TypeCode | Code | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) | listID="VESSEL_TYPE" | M3 - 14. TYPE OF THE VESSEL | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 13. EXTERNAL REGISTRATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_ Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 16. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| IMO NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 17. INTERNATIONAL MARITIME ORGANISATION NUMBER | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / Vessel_ Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 18. COMMUNITY FLEET REGISTER NUMBER | 0..1 |
| INSPECTED VESSEL POSITION EVENT | IS_Report / Vessel_ Transport Means / Vessel Position_ Event | Association | Information about the inspected vessel's location at the start of the inspection, if not in a port | Should only be indicated if different from the Inspection vessel's position | M3 - 7. LOCATION OF THE PORT | 1 |
| LATITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | | 1 |
| LONGITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | | 0..1 |
| DATE OF THE POSITION | IS_Report / Vessel_ Transport Means / | DateTime | The date and time when the position of the vessel | The Must be a valid UTC date time according to | | 0..1 |
| TIME OF THE POSITION | Vessel Position_ Event / | | was taken by the vessel's navigation equipment. | ISO 8601 format when the position was obtained | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------|---|----------------------|---|--|------------------------------------|-------------|
| | ObtainedOccurrenceDateTime | | | by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection | | |
| PORT | IS_Report/ ISRIItemCharacteristic /TypeCode= "PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +ID | Identifier | The port in which the vessel is being inspected, if any | FLUX_Location: listID="ISR_AREA_TYPE" ID: schemeID="LOCATION" | M3 - 7. LOCATION OF THE PORT | 0..1 |
| DESIGNATED? | IS_Report/ ISRIItemCharacteristic /TypeCode= "DESIGNATED_PORT" +ValueIndicator | Indicator | Whether the location is designated or not, as appreciated by the inspector: Y/N | Yes/No | M3 - 8. DESIGNATED PORT | 0..1 |
| LAST PORT OF CALL | IS_Report/ ISRIItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" | Association | Information about the last call in port by the Inspected Vessel | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M3 - 42. LAST PORT OF CALL DETAILS | 0..1 |
| PORT | IS_Report/ ISRIItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Identifier | The port in which the inspected vessel last called | FLUX_Location: listID="ISR_AREA_TYPE" ID: schemeID="LOCATION" | M3 - 42.PORT | 0..1 |
| DATE | IS_Report/ ISRIItemCharacteristic /TypeCode= "LAST_PORT_OF_CALL" +Value.DateTime | DateTime | The date of the last calling in port of the inspected vessel | The UTC date according to ISO 8601 format. e.g. 2008-10- 31Z. Use 00:00:00Z to indicate only the date. | M3 - 42.DATE | 0..1 |
| OWNER | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" | Association Code | Details about the vessel owner | listID="FLUX_CONTACT_ROLE" +value="OWNER" | M3 - 19. OWNER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Name | Text | The name of the legal entity owning the vessel | | M3 - 19. NAME | 0..1 |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text | The given name and family name (at least) of the vessel owner | Given Name and Family name are mandatory | M3 - 19. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the vessel owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 19. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel owner | | M3 - 19. ADDRESS | 0..1 |
| BENEFICIAL OWNER | IS_Report / Vessel_ Transport Means /RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" | Association Code | Details about the vessel beneficial owner | listID="FLUX_CONTACT_ROLE" +value="BENEFICIAL_OWNER" | M3 - 20. BENEFICIAL OWNER DETAILS | 0..n |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name | Text Text | The given name and family name (at least) of the vessel beneficial owner | Given Name and Family name are mandatory | M3 - 20. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------|---|------------------------------|--|--|-------------------------------|-------------|
| | IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text | | | | |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the vessel beneficial owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 20. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel beneficial owner | | M3 - 20. ADDRESS | 0..1 |
| CHARTERER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="CHARTERER" | Association Code | Details about the vessel charterer | listID="FLUX_CONTACT_ROLE" +value="CHARTERER" | M3 - 21. CHARTERER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Name | Text | The name of the legal entity chartering the vessel | | M3 - 21. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel charterer | Given Name and Family name are mandatory | M3 - 21. NAME | 0..1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_Country | Identifier | The country of nationality of the vessel charterer | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 21. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_Address | Association | The full address of the vessel charterer | | M3 - 21. ADDRESS | 0..1 |
| AGENT | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="AGENT" | Association Code | Details about the vessel agent | listID="FLUX_CONTACT_ROLE" +value="AGENT" | M3 - 22. AGENT DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vessel_ Transport Means / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Name | Text | The name of the legal entity serving as agent for the vessel | | M3 - 22. NAME | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / | Text Text Text Text | The given name and family name of the vessel agent | Given Name and Family name are mandatory | M3 - 22. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|---|------------------------------|---|---|-------------------------|-------------|
| | Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | | | | | |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel agent | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 22. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel agent | | M3 - 22. ADDRESS | 0..1 |
| MASTER | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="MASTER" | Association Code | Details about the vessel master | listID="FLUX_CONTACT_ROLE" +value="MASTER" | M3 - 23. MASTER DETAILS | 1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Given Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Middle Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Family Name IS_Report / Vessel_ Transport Means / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the vessel master | Given Name and Family name are mandatory | M3 - 23. NAME | 1 |
| NATIONALITY | IS_Report / Vessel_ Transport Means / ContactParty / Nationality_ Country | Identifier | The country of nationality of the vessel master | schemeID="TERRITORY" +value (Country ISO3 CODE) | M3 - 23. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vessel_ Transport Means / ContactParty / Structured_ Address | Association | The full address of the vessel master | | M3 - 23. ADDRESS | 0..1 |

5 DOCUMENTS & AUTHORISATIONS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------|---|-----------|---|--|--------------------|-------------|
| DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "DOCUMENTS_CHECKED" +CheckInspectionCode | Code | Whether the vessel's documents were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific documents are indicated in the following items. | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|---------------------|--|---|--|-------------|
| CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether the vessel's certificate of Registry ID was checked (Yes, No, N/A) and whether it was on board (Yes, No). For third countries vessels, details to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 15. CERTIFICATE OF REGISTRY ID | 0..1 |
| FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing licence details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). For third countries vessels, FISHING LICENCE DETAILS to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing license was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 30. FISHING LICENCE DETAILS | 0..1 |
| FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_LICENCE_CHECKED" +Value (text) | Text | Details about fishing license | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Fishing authorisation details were checked (Yes, No, N/A) and if yes, was it valid (Yes/No). For third countries vessels, FISHING AUTHORISATION DETAILS to be reported as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator indicates whether the fishing authorisation was valid ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 31. FISHING AUTHORISATION DETAILS | 0..1 |
| FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHING_AUTHORISATION_CHECKED" +Value (text) | Text | Details about fishing authorisation | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| PORT ACCESS AND LANDING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PORT_LANDING_AUTH_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the Port access and landing authorisation was checked (Yes/No/NA) and if yes, whether it is on board and valid (YES/NO). If yes, PORT ACCESS AND LANDING AUTHORISATION CHECK in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 32. PORT ACCESS AND LANDING AUTHORISATION DETAILS | 0..1 |
| PORT ACCESS AND LANDING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "PORT_LANDING_AUTH_CHECK" +Value (text) | Text | If PORT ACCESS AND LANDING AUTHORISATION CHECK is YES, report the reference number, date, time, place authorised and issuing authority. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | | 0..1 |
| PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Code | Whether the vessel's paper fishing logbook was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about the paper logbook are indicated in the following items. | | 0..1 |
| NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode= | Numeric | Total number of paper fishing log sheet | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M3 - 33. NUMBER OF PAPER FISHING LOG SHEET | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|----------------|---|--|---|-------------|
| | "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | | | | | |
| FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "FIRST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the first log sheet in the logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |
| LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode= "LAST_LOG_SHEET_NUMBER" +Value (text) | Text | The number of the last log sheet in the logbook | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" for Union vessels, in ISO alpha-3 country codes +7 figures | | 0..1 |
| ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "E_LOGBOOK_REFERENCE_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the sending and acknowledgement of the electronic fishing logbook was checked (Yes, No, N/A) and if Yes, result of the check (Yes, No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| ELECTRONIC FISHING LOGBOOK REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode= "ELECTRONIC_LOGBOOK_REFERENCE" +Value (text) | Code Text | The Unique fishing trip identifier, if available | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M3 - 34. E-FISHING LOGBOOK REFERENCE | 0..1 |
| PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator | Whether the sending of prior notification was checked (Yes, No, N/A) and if Yes, did the vessel send any notification prior to calling in port (Yes, No). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the Port State Measures Agreement | M3 - 35. PRIOR NOTIFICATION REFERENCE | 0..1 |
| PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode= "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Code | The purpose indicated in the prior notification | listID="FA_REASON_ARRIVAL" | M3 - 36. PURPOSE OF PRIOR NOTIFICATION | 0..1 |
| STOWAGE PLAN CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "STOWAGE_PLAN_CHECKED" +CheckInspectionCode | Code | Whether the stowage plan was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 38. STOWAGE PLAN | 0..1 |
| FISH ROOM CERTIFICATE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISH_ROOM_CERTIFICATE_CHECKED" +checked. Code | Code | Whether the fish room certificate was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 37. FISH ROOM CERTIFICATE | 0..1 |
| ULLAGE TABLES FOR REFRIGERATED SEA WATER TANKS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "ULLAGE_TABLES_TANKS_CHECKED" +CheckInspectionCode | Code | Whether the ullage tables for refrigerated sea water tanks were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 39. ULLAGE TABLES FOR REFRIGERATED SEA WATER TANKS | 0..1 |
| CERTIFICATION FOR ON BOARD WEIGHING SYSTEMS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CERTIF_WEIGH_SYSTEMS_CHECK" +CheckInspectionCode | Code | Whether the certification for on board weighing systems check was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 40. CERTIFICATION FOR ON BOARD WEIGHING SYSTEMS | 0..1 |
| MEMBERSHIP OF A PRODUCER ORGANISATION | IS_Report / ISRIItemCharacteristic / TypeCode= "MEMBER_PRODUCER_ORGANISATION" +ValueIndicator | Indicator | Whether the vessel is part of a producer organisation. If yes, PRODUCER ORGANISATION REFERENCE as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 46. MEMBERSHIP OF A PRODUCER ORGANISATION | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|--------------|---|---|--|-------------|
| PRODUCER ORGANISATION REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode= "MEMBER_PRODUCER_ORGANISATION" +Value (text) | Text | Name/reference of the producer organisation the vessel is part of | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" | M3 - 46. MEMBERSHIP OF A PRODUCER ORGANISATION | 0..1 |
| OTHER CATCH DOCUMENTATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "OTHER_CATCH_DOCUMENTATION" +CheckInspectionCode | Code Text | Whether other catch documentation has been checked, such as IUU catch certificates (Yes/No/NA). If Yes, details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 59. OTHER CATCH DOCUMENTATION | 0..1 |

6 GEAR

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--------------------------------|--|---------------|--|---|---|-------------|
| GEAR CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "GEAR_CHECKED" +CheckInspectionCode | Code | Whether the fishing gear was checked or not (Yes, No, N/A). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about the fishing gear checks are indicated in the following items. | M3 – 62. GEAR INSPECTION | 0..1 |
| EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "EC_GAUGE_CHECKED" +CheckInspectionCode | Code | Whether the EC gauge was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | | 0..1 |
| GEAR MARKING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "GEAR_MARKING_CHECKED" | Code | Whether the gear markings were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | | 0..1 |
| GEAR | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / | Association | Details about each inspected fishing gear | | M3 – 63. GEAR DETAILS | 0..n |
| GEAR TYPE | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / TypeCode | Code | The type of the gear in FAO 3-alpha codes | listID="GEAR_TYPE" | | 0..1 |
| GEAR DETAILS CHARACTERISTIC | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / Gear Inspection_ Event / Gear_ Characteristic / TypeCode +Value | Code Value | Characteristics of each inspected gear that were checked | listID="FA_GEAR_CHARACTERISTIC " The data type of the Value depends on the characteristic checked. See dedicated table. | | 0..n |
| GEAR ATTACHMENT | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / | Association | Details about each attachment of the inspected fishing gear | | M3 - 64. Net attachment(s) or device(s) details | 0..n |
| GEAR ATTACHMENT TYPE | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / TypeCode | Code | The type of the gear attachment | listID="FA_DEVICE_GEAR_ATTACHMENT" | | 0..1 |
| GEAR ATTACHMENT CHARACTERISTIC | IS_Report / Vessel_ Transport Means / OnBoardFishingGear / AttachedFishingGearEquipment / Gear Equipment Inspection_ Event / FLUX_ Characteristic / TypeCode | Code Value | Characteristics of each inspected gear attachment that were checked | There is no standard code list for gear attachment characteristic. They shall be report using TypeCode (free code) or Value (text) | | 0..n |

7 CATCH / PRODUCT

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|--------------|---|---|--|-------------|
| CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_ON_BOARD_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the catch on board the inspected vessel was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch-related checks are indicated in the following items. | M3 - 44. CATCH INSPECTION | 0..1 |
| CATCH OFFLOADED CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_OFFLOADED_CHECKED" +CheckInspectionCode | Code Text | Whether the catch offloaded by the inspected vessel was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch-related checks are indicated in the following items. | M3 - 44. CATCH INSPECTION | 0..1 |
| TRANSHIPMENT DETAILS FOR CATCHES RECEIVED FROM OTHER FISHING VESSELS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "TRX_CATCHES_OTH_VESSELS_CHECK" +CheckInspectionCode | Code Text | Whether the transshipment details for catches received by the inspected vessel were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch-related checks are indicated in the following items. | M3 - 55. TRANSHIPMENT DETAILS FOR CATCHES RECEIVED FROM OTHER FISHING VESSEL | 0..1 |
| SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SEP_REG_UNDERSIZED_CHECK" +CheckInspectionCode | Code Text | Whether the separate registration of undersize fish was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 47. SEPARATE REGISTRATION OF UNDERSIZED FISH | 0..1 |
| MARGIN OF TOLERANCE PER SPECIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "MARGIN_TOL_SPECIES_CHECK" +CheckInspectionCode | Code Text | Whether the margin of tolerance per species was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 46. MARGIN OF TOLERANCE | 0..1 |
| MINIMUM CONSERVATION REFERENCE SIZE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "MIN_REFERENCE_SIZE_CHECK" +CheckInspectionCode | Code Text | Whether the minimum conservation size was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 49. MINIMUM CONSERVATION REFERENCE SIZE CHECKED | 0..1 |
| LABELLING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LABELLING_CHECKED" +CheckInspectionCode | Code Text | Whether the labelling of catches has been checked (Yes/No/NA). If yes, details in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 50. LABELLING | 0..1 |
| WEIGHING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_WEIGHING_CHECKED" +CheckInspectionCode | Code Text | Whether the catch weighing was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 51. WEIGHING CHECK | 0..1 |
| BOX/CONTAINER COUNT CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "BOX_CONTAINER_COUNT_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the box/container count was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 51. BOX/CONTAINER COUNT | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|-----------------|--|---|--------------------------------------|-------------|
| SAMPLING ON DISCHARGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SAMPLING_ON_DISCHARGE_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the sampling on discharge was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 51. SAMPLING CHECK ON DISCHARGE | 0..1 |
| HOLD AFTER DISCHARGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "HOLD_AFTER_DISCHARGE_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the hold was checked after discharge or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 52. HOLD CHECK AFTER DISCHARGE | 0..1 |
| CATCH WEIGHT ON LANDING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CATCH_WEIGHT_ON_LANDING_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether the catch weighing was checked on landing or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M3 - 53. CATCH WEIGHING ON LANDING | 0..1 |
| CATCH ON BOARD | IS_Report / Vessel_ Transport Means / FA_Catch / TypeCode= "ONBOARD" | Association | The catch retained on board the vessel at the time of the inspection, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M3 - 45. CATCH ON BOARD DETAILS | 0..n |
| SPECIES | IS_Report / Vessel_ Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M3 - 45. SPECIES | 0..1 |
| WEIGHT | IS_Report / Vessel_ Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M3 - 45. WEIGHT | 1 |
| NUMBER OF FISHES | IS_Report / Vessel_ Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |
| FISH PRESENTATION | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | | 0..1 |
| PRESERVATION FORM | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / Vessel_ Transport Means / FA_Catch / FLUX_Location /TypeCode= "AREA" /ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M3 - 45. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Vessel_ Transport Means / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |
| CATCH OFFLOADED | IS_Report / Vessel_ Transport Means / FA_Catch / Type = "UNLOADED" | Association | The catch unloaded by the inspected vessel , as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | | 0..n |
| SPECIES | IS_Report / Vessel_ Transport Means / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M3 - 46. SPECIES | 0..1 |
| WEIGHT | IS_Report / Vessel_ Transport Means / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M3 - 48. SPECIES | 0..1 |
| NUMBER OF FISH | IS_Report / Vessel_ Transport Means / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | M3 - 48. WEIGHT | 0..1 |
| FISH PRESENTATION | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | | 0..1 |
| PRESERVATION FORM | IS_Report / Vessel_ Transport Means / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | M3 - 48. PRESENTATION | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------------|---|--|--|-------------|
| CATCH AREA | IS_Report / Vessel_ Transport Means / FA_Catch / FLUX_Location / TypeCode= "AREA" +/ID | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M3 - 48. CATCH AREA | 0..1 |
| UNDERSIZE FISH | IS_Report / Vessel_ Transport Means / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | M3 - 48. UNDERSIZE FISH | 0..1 |
| CATCH RECEIVED FROM OTHER FISHING VESSELS | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / TypeCode= "LOADED" | Association | The catch received from the donor vessel during the transshipment, as per the inspectors' estimations/verifications. One record per catch/product inspected. If no catch was inspected, use the logbook information | listID="ISR_CATCH_TYPE" | M3 - 58. CATCH TRANSHIPPED DETAILS | 0..n |
| SPECIES | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M3 - 58. SPECIES | 0..1 |
| WEIGHT | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | | M3 - 58. WEIGHT | 0..1 |
| NUMBER OF FISH | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / UnitQuantity | Quantity | The number of fish of the species/product | | | 0..1 |
| FISH PRESENTATION | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M3 - 58. PRESENTATION | 0..1 |
| PRESERVATION FORM | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | M3 - 58. PRESENTATION | 0..1 |
| CATCH AREA | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / Specified. FLUX_Location / TypeCode.Value | Code Identifier | The fishing, statistical or management area the species was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M3 - 58. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / FA_Catch / Specified. Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | M3 - 58. UNDERSIZE FISH | 0..1 |
| DONOR FISHING VESSEL(S) | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_ Transport Means / RoleCode="DONOR_VESSEL" | Association Code | Details about the donor vessel(s) from which this catch originates | | M3 - 56. DONOR FISHING VESSEL DETAILS | 0..n |
| NAME | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_ Transport Means / Name | Text | | | M3 - 56. NAME | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_ Transport Means / ID | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 56. EXTERNAL REGISTRATION NUMBER | 0..1 |
| FLAG | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_ Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the donor vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | M3 - 56. INTERNATIONAL RADIO CALL SIGN | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|------------|---|--|---|-------------|
| VESSEL TYPE | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_Transport Means / Type | Code | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) | listID="VESSEL_TYPE" | M3 - 56. INTERNATIONAL MARITIME ORGANISATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_Transport Means / ID | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 56. COMMUNITY FLEET REGISTER NUMBER | 0..1 |
| IMO NUMBER | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_Transport Means / ID | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "IMO" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | M3 - 56. FLAG | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / Specified. Fishing_Activity / TypeCode= "TRANSHIPMENT" / Vessel_Transport Means / ID | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|----------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRIItemCharacteristic / TypeCode= "SUSPECTED_INFRINGEMENT_OBS" | Indicator Text | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRIInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------|--|-----------|---|---|-----------------------|-------------|
| ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +ValueIndicator | Indicator | Whether any actions were taken following the inspection (Yes/No). Report immediate enforcement and conservatory measures taken such as seals, seizure of the vessel or the transport vehicle, of the catch or the products, of the gear, rerouting of the vessel to a port , etc. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +Value (text) | Text | Details of actions taken (mandatory if Actions taken) | | M3 - 71. ACTION TAKEN | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|-----------|--|--|--------------------------------|-------------|
| INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the inspector in charge (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 72. INSPECTORS' SIGNATURE | 0..1 |
| MASTER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "MASTER_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the vessel master (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M3 - 73. MASTER'S SIGNATURE | 0..1 |

7.1.25.4. Inspection of market and premises (Module 4)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|-----------------|---|---|---|-------------|
| INSPECTION REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]-ISR-[country specific unique ID] | schemeID="EU_ISR_ID" +Value | M4 - 1. INSPECTION REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, i.e. legal framework under which the inspection is performed | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| INSPECTION PROGRAMME | IS_Report / ISItemCharacteristic / TypeCode= "INSPECTION_PROGRAMME" +ValueCode | Text | A code specifying the Inspection programme the inspection is part of. | ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode=«CONTROL_PARTY»+ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | M4 - 2. MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty /RoleCode= "CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the inspection. | Freely provided by the report producer | M4 - 2. INSPECTION AUTHORITY | 0..1 |
| DATE OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" | Code | The date and time of the start of the inspection. A | listID="ISR_EVENT_TYPE" +value="INSPECTION" | M4 - 3. DATE OF THE INSPECTION - START | 1 |
| TIME OF THE INSPECTION - START | +OccurrenceDelimitedPeriod / Start.DateTime | DateTime | UTC date time according to ISO 8601 format. | e.g. 2008-10-31T15:07:38Z | M4 - 4. TIME OF THE INSPECTION - START | 1 |
| DATE OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION" | Code | The date and time of the end of the inspection. A | listID="ISR_EVENT_TYPE" +value="INSPECTION" | M4 - 5. DATE OF THE INSPECTION - FINISH | 0..1 |
| TIME OF THE INSPECTION - FINISH | +OccurrenceDelimitedPeriod / End.DateTime | DateTime | UTC date time according to ISO 8601 format. | e.g. 2008-10-31T15:07:38Z | M4 - 6. TIME OF THE INSPECTION - FINISH | 0..1 |

2 INSPECTION MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------|---|----------------------|---|--|-----------------------------|-------------|
| INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Association Code | Details about the inspector in charge of the inspection | listID="FLUX_CONTACT_ROLE" +value="INSPECTOR_IN_CHARGE" | M4 - 8. INSPECTOR IN CHARGE | 0..1 |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name | Text Text Text | The given name and family name of the Inspector in charge | Given Name and Family name are mandatory | M4 - 8. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------|--|------------------------------|--|--|----------------------|-------------|
| | IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | | | | | |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the Inspector in charge | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 9. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECT_CHARGE_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the Inspector in charge has presented his/her service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | Association Code | Details about the second inspector present for the inspection | listID="FLUX_CONTACT_ROLE" +value="SECOND_INSPECTOR" | M4 - 10. INSPECTOR | 0..n |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the second Inspector | Given Name and Family name are mandatory | M4 - 10. NAME | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the second Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 11. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "SECOND_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the second inspector has presented his/her service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| OTHER INSPECTORS | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" | Association Code | Details about the other inspectors present for the inspection | listID="FLUX_CONTACT_ROLE" +value="OTHER_INSPECTOR" | M4 - 10. INSPECTOR | 0..n |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the other Inspector | Given Name and Family name are mandatory | M4 - 10. NAME | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|------------|---|--|----------------------|-------------|
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the other Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 11. NATIONALITY | 0..1 |
| OTHER INSPECTORS SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode="OTHER_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the other inspectors have ALL presented their service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" Note: value is Yes if all cards have been presented, No if at least one hasn't | | 0..1 |

3 PRE-INSPECTION

None

4 INSPECTED MARKET OR PREMISES

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------------|---|----------------------|---|---|--|-------------|
| LOCATION OF THE PORT (name in the EU) | IS_Report / ISRIItemCharacteristic / TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | Identifier | The port in which the market or premises is being inspected, if any | FLUX_Location: listID="ISR_AREA_TYPE" ID: schemeID="LOCATION" | M4 - 7. LOCATION OF THE PORT | 0..1 |
| INSPECTED MARKET OR PREMISES | IS_Report / ContactParty / RoleCode="INSPECTED_MARKET_OR_PREMISES" | Association Code | Details about the inspected market or premises | listID="FLUX_CONTACT_ROLE" +value="INSPECTED_MARKET_OR_PREMISES" | M4 - 13. MARKET OR PREMISES INSPECTION | 1 |
| NAME | IS_Report / ContactParty / RoleCode="INSPECTED_MARKET_OR_PREMISES" +Name | Text | Name of the inspected market or premises | | M4 - 13. NAME | 1 |
| ADDRESS | IS_Report / ContactParty / RoleCode="INSPECTED_MARKET_OR_PREMISES" +Structured_Address | Association | The full address of the inspected market or premises | | M4 - 13. ADDRESS | 1 |
| MARKET OWNER | IS_Report / ContactParty / RoleCode="MARKET_OWNER" | Association Code | The owner of the market or premises | can be a legal entity or person (contact party or contact person) | M4 - 14. OWNER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / ContactParty / Name | Text | The name of the legal entity owning the market or premises | | | 0..1 |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text | The given name and family name (at least) of the market owner | Given Name and Family name are mandatory | M4 - 14. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the market or premises owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 14. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Structured_Address | Association | The full address of the market or premises owner | | M4 - 14. ADDRESS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|------------------------------|--|---|---------------------------------------|-------------|
| MARKET OWNER'S REPRESENTATIVE | ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" | Association Code | Details about the market or premises owner's representative | listID="FLUX_CONTACT_ROLE" +value="OWNER" | M4 - 15. OWNER REPRESENTATIVE DETAILS | 0..n |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the market or premises owner's representative | Given Name and Family name are mandatory | M4 - 15. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the market or premises owner's representative | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 15. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Structured_Address | Association | The full address of the market or premises owner's representative | | M4 - 15. ADDRESS | 0..1 |

5 DOCUMENTS & AUTHORISATIONS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|--------------|---|--|---|-------------|
| DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="DOCUMENTS_CHECKED" +CheckInspectionCode, Value (text) | Code Text | Whether the inspected market or premises documents related to fisheries products were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific documents are indicated in the following items. | M4 - 27. INSPECTION OF DOCUMENTS RELATED TO INSPECTED FISHERIES PRODUCT | 0..1 |
| LANDING DECLARATION CHECK | IS_Report / ISRIItemCharacteristic /TypeCode="LANDING_DECLARATION_CHECKED", +CheckInspectionCode, Value (text) | Code Text | Whether the landing declarations were checked or not (Yes, No, N/A). Optional details as Value (text). | Relates to the inspection as a whole, check +details | M4 - 28. LANDING DECLARATION DETAILS | 0..1 |
| TAKE-OVER DECLARATION CHECK | IS_Report / ISRIItemCharacteristic /TypeCode="TAKEOVER_DECLARATION_CHECKED", +CheckInspectionCode, Value (text) | Code Text | Whether the take-over declarations were checked or not (Yes, No, N/A). Optional details as Value (text). | Relates to the inspection as a whole, check +details | M4 - 29. TAKE-OVER DECLARATION DETAILS | 0..1 |
| TRANSPORT DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic /TypeCode="TRANSPORT_DOCUMENT_CHECKED", +CheckInspectionCode, Value (text) | Code Text | Whether the transport documents were checked or not (Yes, No, N/A). Optional details as Value (text). | Relates to the inspection as a whole, check +details | M4 - 30. TRANSPORT DOCUMENT DETAILS | 0..1 |
| SUPPLIER INVOICES AND SALES NOTES CHECK | IS_Report / ISRIItemCharacteristic /TypeCode="SUPPLIER_INVOICES_CHECK", +CheckInspectionCode, Value (text) | Code Text | Whether the supplier invoices and sales notes were checked or not (Yes, No, N/A). Optional details as Value (text). | Relates to the inspection as a whole, check +details | M4 - 31. SUPPLIER INVOICES AND SALES NOTES DETAILS | 0..1 |
| IUU CATCH CERTIFICATE CHECK | IS_Report / ISRIItemCharacteristic /TypeCode= | Code Text | Whether the IUU catch certificates were checked or not (Yes, No, N/A). Optional details as Value (text). | Relates to the inspection as a whole, check +details | M4 - 32. IUU CATCH CERTIFICATE DETAILS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|------------------------------|---|---|--|-------------|
| | "IUU_CATCH_CERTIFICATE_CHECKED", +CheckInspectionCode, Value (text) | | | | | |
| RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" | Association Code | The legal entities or persons responsible for the first marketing of fisheries products | | M4 - 17. RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | 0..n |
| LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Name | Text | The name of the legal entity RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | | M4 - 17. NAME | 0..1 |
| PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the person RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | Given Name and Family name are mandatory | M4 - 17. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | Identifier | The country of nationality of the RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 17. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Structured_Address | Association | The full address of the RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | | M4 - 17. ADDRESS | 0..1 |
| IMPORTER | IS_Report / ContactParty / RoleCode= "IMPORTER" | | | moved back from Inspected premises to Documents inspection as does not pertain ton inspected premises | M4 - 33. IMPORTER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Name | Text | The name of the legal IMPORTER entity | | M4 - 33. NAME | 0..1 |
| PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the IMPORTER person | Given Name and Family name are mandatory | M4 - 33. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / RoleCode= "IMPORTER" +Nationality_Country | Identifier | The country of nationality of the IMPORTER | schemeID="TERRITORY" +value (Country ISO3 CODE) | M4 - 33. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / ContactParty / RoleCode= "IMPORTER" +Structured_Address | Association | The full address of the IMPORTER | | M4 - 33. ADDRESS | 0..1 |

None

7 CATCH / PRODUCT

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|----------------------|---|---|--|-------------|
| FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHERIES_PRODUCTS_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the fisheries products were checked or not (Yes, No, N/A). Optional details as Value (text) | for whole inspected premises, not per catch/product. TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch-related checks are indicated in the following items. | | 0..1 |
| MINIMUM CONSERVATION REFERENCE SIZE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "MIN_REFERENCE_SIZE_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether the minimum conservation size was checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" for whole inspected premises, not per catch/product | M4 - 18. MINIMUM CONSERVATION REFERENCE SIZE CHECKED | 0..1 |
| LABELLING FOR TRACEABILITY CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LABELLING_CHECKED" +CheckInspectionCode +ValueIndicator +Value.Checked | Code Code Text | Whether the labelling of fisheries products has been checked (Yes/No/NA). If yes, was it OK or not (Yes/No). Optional details in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" for whole inspected premises, not per catch/product | M4 - 19. LABELLING FOR TRACEABILITY | 0..1 |
| COMMON MARKETING STANDARDS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "COMM_MARKET_STANDARDS_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Code Text | Whether the common marketing standards have been checked (Yes/No/NA). If yes, was it OK or not (Yes/No). Optional details in Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M4 - 20. COMMON MARKETING STANDARDS | 0..1 |
| SIZE CATEGORIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SIZE_CATEGORIES_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether size categories were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" for whole inspected premises, not per catch/product | M4 - 21. SIZE CATEGORIES | 0..1 |
| FRESHNESS CATEGORIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FRESHNESS_CATEGORIES_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether freshness categories were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" for whole inspected premises, not per catch/product | M4 - 22. FRESHNESS CATEGORIES | 0..1 |
| FISHERIES PRODUCTS SUBJECT TO STORAGE MECHANISM CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= | Code Text | Whether FISHERIES PRODUCTS SUBJECT TO STORAGE MECHANISM were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in | M4 - 23. FISHERIES PRODUCTS SUBJECT TO | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|-----------------|---|---|---|-------------|
| | "FISH_PROD_STORAGE_MECH_CHECK" +CheckInspectionCode +Value (text) | | | listID="ISR_CHECK" for whole inspected premises, not per catch/product | STORAGE MECHANISM INSPECTED | |
| FISHERIES PRODUCTS WEIGHED BEFORE SALE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISH_PROD_W_BEFR_SALE_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether FISHERIES PRODUCTS WEIGHED BEFORE SALE were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" for whole inspected premises, not per catch/product | M4 - 24. FISHERIES PRODUCTS WEIGHED BEFORE SALE | 0..1 |
| WEIGHING SYSTEMS CALIBRATED AND SEALED CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "WEIGHING_SYSTEM_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether WEIGHING SYSTEMS CALIBRATED AND SEALED CHECK were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" for whole inspected premises, not per catch/product | M4 - 25. WEIGHING SYSTEMS CALIBRATED AND SEALED | 0..1 |
| INSPECTED FISHERIES PRODUCT DETAILS | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" | Association | Details about the inspected fisheries products, as per the inspectors' estimations/verifications. One record per product inspected. | listID="ISR_CATCH_TYPE" | M4 - 16. INSPECTED FISHERIES PRODUCT DETAILS | 0..n |
| SPECIES | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M4 - 16. SPECIES | 0..1 |
| WEIGHT | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | mandatory quantities in live weight equivalent | M4 - 16. WEIGHT | 0..1 |
| NUMBER OF FISH | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / UnitQuantity | Quantity | The number of fish of the species/product | optional | | 0..1 |
| FISH PRESENTATION | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M4 - 16. FISH PRESENTATION | 0..1 |
| PRESERVATION FORM | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +/ FLUX_Location /TypeCode= "AREA" +ID | Code Identifier | The fishing, statistical or management area the specie/product was captured in | FLUX_Location: listID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M4 - 16. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | M4 - 16. UNDERSIZE FISH | 0..1 |
| ORIGINATING FISHING VESSEL | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" | Association | The vessel(s) from which the product is originated (fishing or carrier) | listID="ISR_VESSEL_ROLE" +value="ORIGINATING_FISHING_VESSEL" | M4 - 16. ORIGINATING VESSEL(S) IDENTIFICATION | 0..n |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|------------|--|--|--------------------|-------------|
| | +Related. Vessel_ Transport Means / RoleCode="ORIGINATING_FISHING_VE SSEL" | | | | | |
| NAME | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / Name | Text | Name of the vessel as in the national register | | | 0..1 |
| FLAG | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the originating vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| IMO NUMBER | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / Related. Sales_ Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|----------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRIItemCharacteristic / TypeCode= "SUSPECTED_INFRINGEMENT_OBS" | Indicator Text | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRIInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|--|-----------|---|---|--------------------------|-------------|
| ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +ValueIndicator | Indicator | Whether any actions were taken following the inspection (Yes/No). Report immediate enforcement and conservatory measures taken such as seals, seizure of the vessel or the transport vehicle, of the catch or the products, of the gear, rerouting of the vessel to a port , etc. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M4 - 37. ACTION(S) TAKEN | 0..1 |
| ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "ACTIONS_TAKEN" +Value (text) | Text | Details of actions taken (mandatory if Actions taken) | | | 0..1 |
| INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the inspector in charge (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| OPERATOR / OWNER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "OPERATOR / OWNER SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the operator/owner of the market/premises (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |

7.1.25.5. Inspection during transport (Module 5)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|-----------------|---|---|---|-------------|
| INSPECTION REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID; schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | schemeID="EU_ISR_ID" +Value | M4 - 1. INSPECTION REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, i.e. legal framework under which the inspection is performed | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| INSPECTION PROGRAMME | IS_Report / ISItemCharacteristic / TypeCode="INSPECTION_PROGRAMME" +ValueCode | Code | A code specifying the Inspection programme the inspection is part of. | ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | M4 - 2. MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the inspection. | Freely provided by the report producer | M4 - 2. INSPECTION AUTHORITY | 0..1 |
| DATE OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" | Code | The date and time of the start of the inspection. A | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M4 - 3. DATE OF THE INSPECTION - START | 1 |
| TIME OF THE INSPECTION - START | +OccurrenceDelimitedPeriod / Start.DateTime | DateTime | UTC date time according to ISO 8601 format. | | M4 - 4. TIME OF THE INSPECTION - START | 1 |
| DATE OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION" | Code | The date and time of the end of the inspection. A | listID="ISR_EVENT_TYPE" +value="INSPECTION" e.g. 2008-10-31T15:07:38Z | M4 - 5. DATE OF THE INSPECTION - FINISH | 0..1 |
| TIME OF THE INSPECTION - FINISH | +OccurrenceDelimitedPeriod / End.DateTime | DateTime | UTC date time according to ISO 8601 format. | | M4 - 6. TIME OF THE INSPECTION - FINISH | 0..1 |

2.INSPECTION MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------|--|------------------|---|---|-----------------------------|-------------|
| INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode="INSPECTOR_IN_CHARGE" | Association Code | Details about the inspector in charge of the inspection | listID="FLUX_CONTACT_ROLE" +value="INSPECTOR_IN_CHARGE" | | 0..1 |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / | Text Text | The given name and family name of the Inspector in charge | Given Name and Family name are mandatory | M5 - 8. INSPECTOR IN CHARGE | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------|--|------------------------------|--|--|----------------------|-------------|
| | Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text | | | | |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_Report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the Inspector in charge | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 9. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECT_CHARGE_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the Inspector in charge has presented his/her service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | Association Code | Details about the second inspector present for the inspection | listID="FLUX_CONTACT_ROLE" +value="SECOND_INSPECTOR" | | 0..n |
| PERSON NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the second Inspector | Given Name and Family name are mandatory | M5 - 10. INSPECTOR | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |
| NATIONALITY | IS_report / ContactParty / Nationality_ Country | Identifier | The country of nationality of the second Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 11. NATIONALITY | 0..1 |
| SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode= "SECOND_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the second inspector has presented his/her service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| OTHER INSPECTORS | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" | Association Code | Details about the other inspectors present for the inspection | listID="FLUX_CONTACT_ROLE" +value="OTHER_INSPECTOR" | | 0..n |
| NAME | IS_Report / ContactParty / Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name of the other Inspector | Given Name and Family name are mandatory | M5 - 10. INSPECTOR | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Inspector's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|------------|---|--|----------------------|-------------|
| NATIONALITY | IS_Report / ContactParty / Nationality_Country | Identifier | The country of nationality of the other Inspector | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 11. NATIONALITY | 0..1 |
| OTHER INSPECTORS SERVICE CARD PRESENTED | IS_Report / ISRIItemCharacteristic / TypeCode="OTHER_INSPECT_CARD_PRESENTED" +ValueIndicator | Indicator | Whether or not the other inspectors have ALL presented their service card | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" Note: value is Yes if all cards have been presented, No if at least one hasn't | | 0..1 |

3 PRE-INSPECTION

None.

4 INSPECTED VEHICLE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------|--|------------------|---|--|--|-------------|
| LOCATION OF INSPECTION | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTIO N" +FLUX_Location / TypeCode="ADDRESS" | association | The location of the vehicle inspection, if it is a physical address | FLUX_Location: schemeID="ADDRESS" | M5 - 7. LOCATION OF INSPECTION (ADDRESS) | 0..1 |
| ADDRESS | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTIO N" +FLUX_Location / TypeCode="ADDRESS" / Physical Structured_Address | association | Physical address of the inspection | | M5 - 7. LOCATION OF INSPECTION (ADDRESS) | 0..1 |
| LOCATION OF INSPECTION | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTIO N" +FLUX_Location / TypeCode="POSITION" | association | The location of the vehicle inspection, if it is a geographical position | | | 0..1 |
| LATITUDE | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTIO N" +FLUX_Location / TypeCode="POSITION" / Physical FLUX_Geographical Coordinate / Latitude.Measure | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this inspection's geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | | 1 |
| LONGITUDE | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTIO N" +FLUX_Location / TypeCode="POSITION" / Physical FLUX_Geographical Coordinate / Longitude.Measure | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this inspection's geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | | 1 |
| INSPECTED VEHICLE | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" | Association Code | Details about the inspected vehicle | listID="ISR_VEHICLE_ROLE" +value="INSPECTED_VEHICLE" | M5 - 13. TARGET VEHICLE DETAILS (TYPE AND NATIONALITY) | 1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--------------------------------|---|------------------------------|--|---|---|-------------|
| VEHICLE TYPE | IS_Report / Vehicle_ Transport Means / TypeCode | Code | The type of inspected vehicle | listID="VEHICLE_TYPE" | M5 - 13. TARGET VEHICLE DETAILS (TYPE AND NATIONALITY) | 1 |
| COUNTRY OF REGISTRATION | IS_Report / Vehicle_ Transport Means / Registration Country_ Identification | Identifier | The country of registration of the vehicle | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 13. NATIONALITY | 1 |
| VEHICLE/TRACTOR IDENTIFICATION | IS_Report / Vehicle_ Transport Means / ID | Identifier | The registration/plate number of the vehicle or tractor | SchemeID in FLUX_VEHICLE_ID_TYPE | M5 - 14. TRACTOR IDENTIFICATION (REGISTRATION PLATE NUMBER) | 1 |
| TRAILER IDENTIFICATION | IS_Report / Vehicle_ Transport Means / TransportEquipmentID | Identifier | The registration/plate number of the trailer, if any | SchemeID in FLUX_VEHICLE_ID_TYPE | M5 - 15. TRAILER IDENTIFICATION (REGISTRATION PLATE NUMBER) | 0..n |
| OWNER | IS_Report / Vehicle_ Transport Means / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" | Association Code | The owner of the vehicle | Can be a legal entity or person (contact party or contact person) | M5 - 16. OWNER DETAILS | 0..n |
| LEGAL ENTITY NAME | IS_Report / Vehicle_ Transport Means / Vehicle_ Transport Means / ContactParty / Name | Text | The name of the legal entity owning the vehicle | | | 0..1 |
| PERSON NAME | IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Contact_Person / Given Name IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Contact_Person / Middle Name IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Contact_Person / Family Name Prefix IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Contact_Person / Family Name IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the person owning the vehicle | Given Name and Family name are mandatory | M5 - 16. NAME | 0..1 |
| NATIONALITY | IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Nationality_ Country | Identifier | The country of nationality of the vehicle owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 16. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="OWNER" +Structured_ Address | Association | The full address of the inspected vehicle owner | | M5 - 16. ADDRESS | 0..1 |
| DRIVER | IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="DRIVER" | Association Code | Details about the vehicle driver at the time of the inspection | listID="FLUX_CONTACT_ROLE" +value="DRIVER" | M5 - 17. DRIVER DETAILS | 0..1 |
| PERSON NAME | IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="DRIVER" +Contact_Person / Given Name IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode="DRIVER" | Text Text Text Text | The given name and family name of the vehicle driver | Given Name and Family name are mandatory | M5 - 17. NAME | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|---|-------------|--|---|----------------------|-------------|
| | +Contact_Person / Middle Name IS_Report / Vehicle_Transport Means / ContactParty / RoleCode="DRIVER" +Contact_Person / Family Name Prefix IS_Report / Vehicle_Transport Means / ContactParty / RoleCode="DRIVER" +Contact_Person / Family Name IS_Report / Vehicle_Transport Means / ContactParty / RoleCode="DRIVER" +Contact_Person / Name Suffix | | | | | |
| NATIONALITY | IS_Report / Vehicle_Transport Means / ContactParty / RoleCode="DRIVER" +Nationality_Country | Identifier | The country of nationality of the vehicle driver | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 17. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / Vehicle_Transport Means / ContactParty / RoleCode="DRIVER" +Structured_Address | Association | The full address of the vehicle driver | | M5 - 17. ADDRESS | 0..1 |

5 DOCUMENTS & AUTHORISATIONS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|------------|--|---|--|-------------|
| DOCUMENTS RELATED TO FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="DOCS_FISHERIES_PROD_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether the vehicle documents related to fisheries products were checked or not (Yes, No, N/A). Optional details as Value (text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific documents are indicated in the following items. Relates to the inspection as a whole | M5 - 18. INSPECTION OF DOCUMENTS RELATED TO FISHERIES PRODUCTS | 0..1 |
| DESTINATION OF THE VEHICLE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="DESTINATION_VEHICLE_CHECK" +CheckInspectionCode | Code | Whether the vehicle destination was checked or not (Yes, No, N/A). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" | M5 - 20. DESTINATION OF THE VEHICLE M5 - 41. DESTINATION OF THE VEHICLE | 0..1 |
| DESTINATION OF THE VEHICLE | IS_Report / ISRIItemCharacteristic / TypeCode="DESTINATION_VEHICLE_CHECK" +CheckInspectionCode="Yes" +FLUX_Location / TypeCode="LOCATION" +Physical structured address | Identifier | The destination of the vehicle (must include at least the State) | | | 0..1 |
| TRANSPORT DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode="TRANSPORT_DOCUMENT_CHECKED", ValueCode | Code Text | Whether the transport documents were checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 21. TRANSPORT DOCUMENT DETAILS M5 - 42. TRANSPORT DOCUMENT DETAILS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|---------------------------|--|--|--|-------------|
| ELECTRONIC TRANSMISSION OF THE TRANSPORT DOCUMENT TO THE FLAG MEMBER STATE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "ETRANS_DOC_TO_FLAG_STATE_CHECK" +CheckInspectionCode | Code Text | Whether the ELECTRONIC TRANSMISSION OF THE TRANSPORT DOCUMENT TO THE FLAG MEMBER STATE CHECK was checked or not (Yes, No, N/A). If checked, was it done (Yes, No). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 22. ELECTRONIC TRANSMISSION OF THE TRANSPORT DOCUMENT TO THE FLAG MS M5 - 43. ELECTRONIC TRANSMISSION OF THE TRANSPORT DOCUMENT TO THE FLAG MEMBER STATE | 0..1 |
| FISHING LOGBOOK OF THE ORIGINATING VESSEL ATTACHED TO THE TRANSPORT DOCUMENT CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LOGBOOK_TO_TRANSP_DOC_CHECK" +ValueIndicator | Code Indicator Text | Whether FISHING LOGBOOK OF THE ORIGINATING VESSEL ATTACHED TO THE TRANSPORT DOCUMENT was checked or not (Yes, No, N/A). If checked, were they attached (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" values of ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 23. FISHING LOGBOOK OF THE ORIGINATING VESSEL ATTACHED TO THE TRANSPORT DOCUMENT M5 - 44. FISHING LOGBOOK OF THE ORIGINATING VESSEL ATTACHED TO THE TRANSPORT DOCUMENT | 0..1 |
| ELECTRONIC TRANSMISSION OF THE FISHING LOGBOOK OF THE ORIGINATING VESSEL TO THE FLAG MS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "E_LOGBOOK_TRANS_FS_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether the ELECTRONIC TRANSMISSION OF THE FISHING LOGBOOK OF THE ORIGINATING VESSEL TO THE FLAG MS was checked or not (Yes, No, N/A). If checked, was it done (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" values of ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 24. ELECTRONIC TRANSMISSION OF THE FISHING LOGBOOK OF THE ORIGINATING VESSEL TO THE FLAG MEMBER STATE M5 - 45. ELECTRONIC TRANSMISSION OF THE FISHING LOGBOOK OF THE ORIGINATING VESSEL TO THE FLAG MEMBER STATE | 0..1 |
| OTHER CATCH DOCUMENT ATTACHED TO TRANSPORT DOCUMENT (CATCH CERTIFICATE) CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "OTHER_CATCH_DOC_ATTACHED_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether OTHER CATCH DOCUMENT ATTACHED TO TRANSPORT DOCUMENT (CATCH CERTIFICATE) was checked or not (Yes, No, N/A). If checked, were they attached (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" values of ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 25. OTHER CATCH DOCUMENT ATTACHED TO TRANSPORT DOCUMENT (CATCH CERTIFICATE) M5 - 46. TRANSPORT DOCUMENT RECEIVED BEFORE ARRIVAL BY THE LANDING OR MARKETING MEMBER STATE | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|---------------------|--|---|--|-------------|
| TRANSPORT DOCUMENT RECEIVED BEFORE ARRIVAL BY THE LANDING OR MARKETING MEMBER STATE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "TRANS_DOC_BEFR_ARRIVAL_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether TRANSPORT DOCUMENT RECEIVED BEFORE ARRIVAL BY THE LANDING OR MARKETING MEMBER STATE was checked or not (Yes, No, N/A). If checked, were the documents received (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" values of ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 26. TRANSPORT DOCUMENT RECEIVED BEFORE ARRIVAL BY THE LANDING OR MARKETING MEMBER STATE M5 - 46. TRANSPORT DOCUMENT RECEIVED BEFORE ARRIVAL BY THE LANDING OR MARKETING MEMBER STATE | 0..1 |
| LANDING DECLARATION DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LANDING_DECL_DETAILS_CHECK" +CheckInspectionCode +Value (text) | Code Text | Whether the LANDING DECLARATION DETAILS CHECK were checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 27. LANDING DECLARATION DETAILS M5 - 47. LANDING DECLARATION DETAILS | 0..1 |
| VEHICLE OR CONTAINER SEALED CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "VEHICLE_CONTAIN_SEALED_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | Code Indicator Text | Whether VEHICLE OR CONTAINER SEALED was checked or not (Yes, No, N/A). If checked, were the seals OK (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 35. VEHICLE OR CONTAINER SEALED M5 - 50. VEHICLE OR CONTAINER SEALED | 0..1 |
| SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SEAL_ON_TRANSPORT_DOC_CHECK" +CheckInspectionCode | Code Indicator Text | Whether SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT was checked or not (Yes, No, N/A). If checked, were the seal details noted (Yes, No) Optional details as Value (text). | Value of TypeCode in listID="ISR_ITEM_CHARACTERISTIC" Value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 36. SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT M5 - 51. SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT | 0..1 |
| CONTROL AUTHORITY WHO AFFIXED THE SEALS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "CONTROL_AUTH_SEALS_CHECK" +CheckInspectionCode | Code Text | Whether the CONTROL AUTHORITY WHO AFFIXED THE SEALS CHECK was checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 37. INSPECTION AUTHORITY WHO AFFIXED THE SEALS M5 - 52. INSPECTION AUTHORITY WHO AFFIXED THE SEALS | 0..1 |
| STATUS OF SEALS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "STATUS_OF_SEALS_CHECKED" +CheckInspectionCode | Code Indicator Text | Whether the STATUS OF SEALS was checked or not (Yes, No, N/A). If checked, were the seal details noted (Yes, No). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 38. STATUS OF SEALS M5 - 53. STATUS OF SEALS | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|---------------------|---|---|---|-------------|
| TAKE-OVER DECLARATION DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "TAKEOVER_DECL_DETAILS_CHECK" +CheckInspectionCode | Code Text | Whether the take-over declarations were checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 28. TAKE-OVER DECLARATION DETAILS | 0..1 |
| TAKE-OVER CROSS CHECK WITH LANDING DECLARATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "TAKEOVER_LANDING_CROSS-CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the TAKE-OVER CROSS CHECK WITH LANDING DECLARATION was done or not (Yes, No, N/A). If done, was it OK or not (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" Relates to the inspection as a whole, check +details | M5 - 29. TAKE-OVER CROSS CHECK WITH LANDING DECLARATION | 0..1 |
| SALES NOTE OR INVOICES DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SALES_NOTES_DETAILS_CHECK" +CheckInspectionCode | Code Text | Whether the SALES NOTE OR INVOICES DETAILS were checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 30. SALES NOTE OR INVOICES DETAILS | 0..1 |
| LABELLING FOR TRACEABILITY CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "LABEL_TRACEABILITY_CHECK" +CheckInspectionCode | Code Text | Whether the LABELLING FOR TRACEABILITY CHECK was checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 31. LABELLING FOR TRACEABILITY | 0..1 |
| SAMPLE WEIGHING OF BOX/CONTAINERS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "SAMPLE_WEIGHING_CHECKED" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the SAMPLE WEIGHING OF BOX/CONTAINERS was checked or not (Yes, No, N/A). If yes, was the weighing done (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 32. SAMPLE WEIGHING OF BOX/CONTAINERS | 0..1 |
| WEIGHING SYSTEMS CALIBRATED AND SEALED CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "WEIGHING_SYSTEM_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the WEIGHING SYSTEMS CALIBRATED AND SEALED was checked or not (Yes, No, N/A). If yes, were they calibrated and sealed (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 33. WEIGHING SYSTEMS CALIBRATED AND SEALED | 0..1 |
| WEIGHING RECORD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "WEIGHING_RECORD_CHECKED" +CheckInspectionCode | Code Text | Whether the WEIGHING RECORD was checked or not (Yes, No, N/A). Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 34. WEIGHING RECORD | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|------------------------------|---|--|--|-------------|
| WEIGHING OF FISHERIES PRODUCTS OBSERVED ON ARRIVAL AT DESTINATION BY MS COMPETENT AUTHORITIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "WEIGH_FISH_PROD_OBS_ARRV_CHECK" +CheckInspectionCode +ValueIndicator | Code Indicator Text | Whether the WEIGHING OF FISHERIES PRODUCTS OBSERVED ON ARRIVAL AT DESTINATION BY MS COMPETENT AUTHORITIES was checked or not (Yes, No, N/A). If yes, was the observation done (Yes, No) Optional details as Value (text). | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Relates to the inspection as a whole, check +details | M5 - 48. WEIGHING OF FISHERIES PRODUCTS OBSERVED ON ARRIVAL AT DESTINATION BY MEMBER STATE COMPETENT AUTHORITIES | 0..1 |
| RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS (PRODUCTS TRANSPORTED BEFORE WEIGHING) | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" | Association Code | The legal entities or persons responsible for the first marketing of fisheries products | | M5 - 49. RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS (PRODUCTS TRANSPORTED BEFORE WEIGHING) | 0..n |
| LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Name | Text | The name of the legal entity RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | | | 0..1 |
| PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person / Given Name IS_Report / ContactParty / Contact_Person / Middle Name IS_Report / ContactParty / Contact_Person / Family Name Prefix IS_Report / ContactParty / Contact_Person / Family Name IS_Report / ContactParty / Contact_Person / Name Suffix | Text Text Text Text | The given name and family name (at least) of the person RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | Given Name and Family name are mandatory | M5 - 49. NAME | 0..1 |
| NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | Identifier | The country of nationality of the RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | schemeID="TERRITORY" +value (Country ISO3 CODE) | M5 - 49. NATIONALITY | 0..1 |
| ADDRESS | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +RoleCode="MARKET_OWNER" +Structured_Address | Association | The full address of the RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | | M5 - 49. ADDRESS | 0..1 |

6 GEAR

None.

7 CATCH / PRODUCT

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|-----------------|--|---|--|-------------|
| FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode= "FISHERIES_PRODUCTS_CHECKED" +CheckInspectionCode +Value (text) | Code Text | Whether the fisheries products were checked or not (Yes, No, N/A). Optional details as Value (text) | for whole inspected transport, not per catch/product. TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" value of CheckInspectionCode in listID="ISR_CHECK" Details about specific catch-related checks are indicated in the following items. | | 0..1 |
| FISHERIES PRODUCTS WEIGHED BEFORE TRANSPORT | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" | Association | Details about the inspected fisheries products that were weighed before transport, as per the inspectors' estimations/verifications. One record per product inspected. | listID="ISR_CATCH_TYPE" | M5 - 19. FISHERIES PRODUCTS WEIGHED BEFORE TRANSPORT | 0..n |
| SPECIES | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M5 - 19. SPECIES | 0..1 |
| WEIGHT | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | mandatory quantities in live weight equivalent | M5 - 19. WEIGHT | 0..1 |
| NUMBER OF FISH | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / UnitQuantity | Quantity | The number of fish of the species/product | optional | | 0..1 |
| FISH PRESENTATION | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | CI | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M5 - 19. FISH PRESENTATION | 0..1 |
| FISH PRESERVATION FORM | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product +Origin. FLUX_Location /TypeCode= "AREA" +ID | Code Identifier | The fishing, statistical or management area the specie/product was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M5 - 19. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode= "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |
| ORIGINATING FISHING VESSEL | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / RoleCode="ORIGINATING_FISHING_VESSEL" | Association | The vessel(s) from which the product is originated (fishing or carrier) | listID="ISR_VESSEL_ROLE" +value="ORIGINATING_FISHING_VESSEL" | M5 - 19. ORIGINATING VESSEL(S) | 0..n |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|-------------|--|--|---|-------------|
| NAME | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / Name | Text | Name of the vessel as in the national register | | | 0..1 |
| FLAG | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the originating vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| IMO NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| FISHERIES PRODUCTS TRANSPORTED BEFORE WEIGHING | IS_Report / FA_Catch / TypeCode="FISH_PROD TRANSP_BFR_WEIGHING" | Association | Details about the inspected fisheries products that were transported before being weighed, as per the inspectors' estimations/verifications. One record per product inspected. | listID="ISR_CATCH_TYPE" | M5 - 40. FISHERIES PRODUCTS TRANSPORTED BEFORE WEIGHING | 0..n |
| SPECIES | IS_Report / FA_Catch / TypeCode="FISH_PROD TRANSP_BFR_WEIGHING" +SpeciesCode | Code | The FAO 3-alpha code for the species | listID="FAO_SPECIES" | M5 - 40. SPECIES | 0..1 |
| WEIGHT | IS_Report / FA_Catch / TypeCode="FISH_PROD TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / WeightMeasure | Measure | The kilogram live weight equivalent of the species/product | mandatory quantities in live weight equivalent | M5 - 40. WEIGHT | 0..1 |
| NUMBER OF FISH | IS_Report / FA_Catch / TypeCode="FISH_PROD TRANSP_BFR_WEIGHING" | Quantity | The number of fish of the species/product | optional | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|-----------------|--|--|--------------------------------|-------------|
| | +Sales_Batch / AAP_Product / UnitQuantity | | | | | |
| FISH PRESENTATION | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / Type.le | Code | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) | listID="FISH_PRESENTATION" | M5 - 40. FISH PRESENTATION | 0..1 |
| FISH PRESERVATION FORM | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Code | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) | listID="FISH_PRESERVATION" | | 0..1 |
| CATCH AREA | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product +Origin. FLUX_Location /TypeCode= "AREA" +ID | Code Identifier | The fishing, statistical or management area the specie/product was captured in | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | M5 - 40. CATCH AREA | 0..n |
| UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Code | The under/over legal size code. | listID="FISH_SIZE_CLASS" code for under/over size: LSC (legal), BMS (undersize) | | 0..1 |
| ORIGINATING VESSEL(S) | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / RoleCode="ORIGINATING_FISHING_VESSEL" | Association | The vessel(s) from which the product is originated (fishing or carrier) | listID="ISR_VESSEL_ROLE" +value="ORIGINATING_FISHING_VESSEL" | M5 - 40. ORIGINATING VESSEL(S) | 0..n |
| NAME | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / Name | Text | Name of the vessel as in the national register | | | 0..1 |
| FLAG | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the originating vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification number of the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" | Identifier | International Radio Call Sign of the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|------------|--|---|--------------------|-------------|
| | +Related. Vessel_ Transport Means / ID / SchemeID="IRCS" | | | | | |
| IMO NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID = "UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. Vessel_ Transport Means / ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel | SchemeID = "CFR" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|----------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRIItemCharacteristic / TypeCode="SUSPECTED_INFRINGEMENT_OBS" | Indicator Text | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------|---|-----------|---|---|--------------------------|-------------|
| ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode="ACTIONS_TAKEN" +ValueIndicator | Indicator | Whether any actions were taken following the inspection (Yes/No). Report immediate enforcement and conservatory measures taken such as seals, seizure of the vessel or the transport vehicle, of the catch or the products, of the gear, rerouting of the vessel to a port , etc. | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | M5 - 57. ACTION(S) TAKEN | 0..1 |
| ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode="ACTIONS_TAKEN" +Value (text) | Text | Details of actions taken (mandatory if Actions taken) | | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-------------------------------|---|-----------|--|--|--------------------|-------------|
| INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Indicator | Whether the inspection report was signed by the inspector in charge (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| DRIVER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode= "DRIVER SIGNATURE" +ValueIndicator | | Whether the inspection report was signed by the driver (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |

7.1.25.6. Surveillance (Module 6)

1 GENERAL REFERENCE DATA

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|--|-----------------|---|---|---|-------------|
| SURVEILLANCE REPORT REFERENCE (HUMAN READABLE) | IS_Report / ID schemeID=EU_ISR_ID | Identifier | The business human readable identifier of this ISR document. Starting with the ISO-3 code of the country defining and delivering the identifier, followed by a hyphen, followed by ISR, followed by a hyphen, followed by country specific unique ID of at most 20 alphanumeric characters. [ISO-3 country code]"-ISR-"[country specific unique ID] | schemeID="EU_ISR_ID" +Value | Annex XXIII - 1. SURVEILLANCE REPORT REFERENCE | 1 |
| INSPECTION REPORT REFERENCE (UUID) | IS_Report / IncludedFLUX Report_Document/ID | Association | The document details for this FLUX IS report. | Common entity shared by all FLUX domain reports. See data elements and attributes in Section 7.1.2. | | 1 |
| REPORT DATE | IS_Report / Reference.DateTime | DateTime | The reference date for this IS Report. | Defined by the Report producer (could be start or end of the inspection/sighting) | | 1 |
| REPORT TYPE | IS_Report / TypeCode | Code | The type of ISR report: inspection at sea, in port, surveillance, etc. | listID="ISR_REPORT_TYPE" +Code | | 1 |
| REPORT CONTEXT | IS_Report / ContextTypeCode | Code | A code specifying a context type for this IS report, such as a National, EU or RFMO | listID="ISR_REPORT_CONTEXT" +Code | | 1..n |
| SURVEILLANCE PROGRAMME | IS_Report / ISItemCharacteristic / TypeCode= "INSPECTION_PROGRAMME" +ValueCode | Code | A code specifying the Inspection programme the surveillance is part of. | ValueCode in listID="ISR_INSPECTION_PROGRAMME" | | 0..1 |
| CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Code Identifier | The Control party (Member State, EFCA...) producing the IS report, i.e. the CP in charge of the IS. | listID="FLUX_CONTACT_ROLE" +value="CONTROL_PARTY" schemeID="ISR_CONTROL_PARTY" +value | Annex XXIII - 3. ORIGINATING MEMBER STATE | 1 |
| CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | Text | The name of the Control Authority conducting the surveillance. | Freely provided by the report producer | Annex XXIII - 3. NAME OF SINGLE AUTHORITY | 0..1 |
| DATE OF SIGHTING | IS_Report / IS_Event / TypeCode="SIGHTING" +OccurrenceDateTime | Code DateTime | The date and time of sighting of a vessel. A UTC date time according to ISO 8601 format. | listID="ISR_EVENT_TYPE" +value="SIGHTING" e.g. 2008-10-31T15:07:38Z | Annex XXIII - 2. DATE AND TIME OF SIGHTING OR DETECTION (UTC) | 0..1 |
| TIME OF SIGHTING | | | | | Annex XXIII - 2. DATE AND TIME OF SIGHTING OR DETECTION (UTC) | 0..1 |

2 SURVEILLANCE MEANS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------|---|------------------|--|--|--|-------------|
| SURVEILLANCE VESSEL | IS_Report / Vessel_Transport Means RoleCode="PATROL_VESSEL" | Association Code | Details about the Patrol vessel from which the sighting is performed, if any | listID="ISR_VESSEL_ROLE" +value="PATROL_VESSEL" | Annex XXIII - 4. TYPE AND IDENTIFICATION OF THE SURVEILLANCE | 0..1 |
| FLAG | IS_Report / Vessel_Transport Means / Registration Vessel_Country / ID | Identifier | The Flag State of registration of the Patrol vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | Annex XXIII - 4. TYPE OF THE SURVEILLANCE | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|---|-----------------|---|--|---|-------------|
| NAME | IS_Report / Vessel_ Transport Means / Name | Text | Name of the vessel as in the national register | | Annex XXIII - 4. IDENTIFICATION OF THE SURVEILLANCE CRAFT | 0..1 |
| EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="EXT_MARK" | Identifier | External identification or Pennant number of the vessel | SchemeID ="EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_ Transport Means / ID / SchemeID="IRCS" | Identifier | International Radio Call Sign of the vessel | SchemeID ="IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| IMO NUMBER | IS_Report / Vessel_ Transport Means / ID / SchemeID="UVI" | Identifier | International Maritime Organisation number of the vessel, if any | SchemeID ="UVI" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | | 0..1 |
| SURVEILLANCE VESSEL POSITION EVENT | IS_Report / Vessel_ Transport Means / Vessel_ Position event TypeCode= "SURVEILLANCE_VESSEL_POSITION" | Association | Information about the patrol vessel's location at the moment of the sighting | Must include an empty TypeCode child element for the XML to validate against the XSD, though it is not used in ISR. | Annex XXIII - 5. POSITION AND LOCATION OF THE SURVEILLANCE CRAFT AT THE TIME OF SIGHTING OR DETECTION | 0..1 |
| LATITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | LATITUDE | 1 |
| LONGITUDE | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | LONGITUDE | 1 |
| DATE OF THE POSITION | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / ObtainedOccurrenceDateTim e | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection | Annex XXIII - 17. SIGHTING OR DETECTION MEAN | 1 |
| TIME OF THE POSITION | IS_Report / Vessel_ Transport Means / Vessel Position_ Event / ObtainedOccurrenceDateTim e | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | | | 1 |
| LOCATION OF THE SURVEILLANCE VESSEL | IS_Report / Vessel_ Transport Means / FLUX_ Location/TypeCode= "AREA" /ID | Code Identifier | The fishing, statistical or management area the patrol vessel is in at the start of the inspection (with as much precision as possible) | FLUX_ Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|-------------|---|--|---|-------------|
| SURVEILLANCE CRAFT | IS_Report / Vehicle_Transport Means RoleCode="SURVEILLANCE_CRAFT" | Code | The craft used for sighting the vessel, if any (car, plane, ROV...) | | | 0..1 |
| SURVEILLANCE CRAFT TYPE | IS_Report / Vehicle_Transport Means / Type | Code | The type of surveillance craft used for the sighting | listID="ISR_SURVEILLANCE_CRAFT_TYPE" | | 0..1 |
| COUNTRY OF REGISTRATION | IS_Report / Vehicle_Transport Means / Registration Country_Identification | Identifier | The country of registration of the surveillance craft | schemeID="TERRITORY" +value (Country ISO3 Code) | | 1 |
| CRAFT IDENTIFICATION | IS_Report / Vehicle_Transport Means / ID | Identifier | The registration number of the surveillance craft | SchemeID in FLUX_VEHICLE_ID_TYPE | | 0..1 |
| POSITION OF SURVEILLANCE CRAFT | IS_Report / ISRItemCharacteristic /TypeCode= "POSITION_OF_SURVEILLANCE_CRAFT" +FLUX_Location / TypeCode= "POSITION" | association | The position of the surveillance craft | FLUX_Location: ListID="FLUX_LOCATION_TYPE" | Annex XXIII - 5. POSITION AND LOCATION OF THE SURVEILLANCE CRAFT AT THE TIME OF SIGHTING OR DETECTION | 0..1 |
| LATITUDE | IS_Report / ISRItemCharacteristic /TypeCode= "POSITION_OF_SURVEILLANCE_CRAFT" + / FLUX_Location / Physical FLUX_ Geographical Coordinate / Latitude.Measure | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this inspection's geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | LATITUDE | 1 |
| LONGITUDE | IS_Report / ISRItemCharacteristic /TypeCode= "POSITION_OF_SURVEILLANCE_CRAFT" + / FLUX_Location / Physical FLUX_ Geographical Coordinate / Longitude.Measure | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this inspection's geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | LONGITUDE | 1 |
| SURVEILLANCE FMC | IS_Report / ContactParty RoleCode="FISHERIES_MONITORING_CENTRE " | Association | Details about the Fisheries Monitoring Centre from which the sighting was done, if any | | | 0..1 |
| NAME | / ContactParty / Name | Text | The name of the FMC from which the sighting was done | Can also be a national identification umber | | 0..1 |
| ADDRESS | / ContactParty / Structured_Address | Association | The address of the FMC from which the sighting was done | | | 0..1 |
| SURVEILLANCE PORT | IS_Report/ ISRItemCharacteristic /TypeCode= "PORT_OF_SURVEILLANCE" +FLUX_ Location / TypeCode ="LOCATION" +Identifier Optionally: FLUX_Location / Name = "Port Name" | Identifier | The port from which the sighting was done, if any | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID="LOCATION" | | 0..1 |
| SURVEILLANCE FROM LAND LOCATION | IS_Report / FLUX_Location / TypeCode="POSITION" +Name="SURVEILLANCE_FROM_LAND_ LOCATION" | Association | The position on land from where the sighting was done | FLUX_Location / TypeCode ListID="FLUX_LOCATION_TYPE" | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---|--|------------------------------|--|--|--------------------|-------------|
| LATITUDE | IS_Report / FLUX_Location / Physical FLUX_Geographical Coordinate / Latitude.Measure | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | | 1 |
| LONGITUDE | IS_Report / FLUX_Location / Physical FLUX_Geographical Coordinate / Longitude.Measure | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | | 1 |
| SIGHTING OR DETECTION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode= "SIGHTING_OR_DETECTION_MEANS" +ValueCode | Code | The sighting or detection means used during the surveillance/sighting (Radar, VMS, AIS, Visual, LRIT, Camera, Radio traffic...) | listID="ISR_SIGHTING_DETECTION_MEAN" | | 0..n |
| SIGHTING OR DETECTION MEANS DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode= "SIGHTING_OR_DETECTION_MEANS" +Value (text) | Text | Details about the SIGHTING OR DETECTION MEANS used | If ValueCode=OTHER, then details are mandatory | | 0..1 |
| REPORTING OFFICIAL | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" | Association Code | Details about the official reporting the sighting | listID="FLUX_CONTACT_ROLE" +value="REPORTING_OFFICIAL" | | 0..1 |
| PERSON NAME | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_ Person / Given Name IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_ Person / Middle Name IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_ Person / Family Name Prefix IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_ Person / Family Name IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_ Person / Name Suffix | Text Text Text Text | The given name and family name of the reporting official | Given Name and Family name are mandatory | | 0..1 |
| ID | IS_Report / ContactParty / ID | Identifier | The Reporting Official's Identification Number | Type of Identification Number to be Specified. using the schemeName attribute. | | 0..1 |

3 PRE-INSPECTION

None.

4 SIGHTED VESSEL

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|--|---|------------------|---|--|--|-------------------|
| SIGHTED VESSEL | IS_report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" | Association Code | Details about the sighted vessel (0..1 IS Report per sighted vessel) | listID="ISR_VESSEL_ROLE" +value="SIGHTED_VESSEL" | | 0..1 |
| INITIAL POSITION OF THE SIGHTED VESSEL | IS_report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / TypeCode="INITIAL_SIGHTING" | Association | Information about the sighted vessel's location at the moment of sighting | | Annex XXIII - 14. INITIAL POSITION AND LOCATION AT THE TIME OF SIGHTING OR DETECTION | 0..1 |
| LATITUDE | IS_Report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Latitude | Measure | The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to North of equator. Negative coordinate refers to South. | LATITUDE | 1 |
| LONGITUDE | IS_Report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position_Event / Specified. Vessel_Geographical Coordinate / Longitude | Measure | The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this vessel geographical coordinate. | Reference ISO 6709. Coordinate expressed in WGS84, decimal degree notation, using a precision of at least 3 and maximum 6 decimal positions. Positive coordinate refers to East of Greenwich meridian. Negative coordinate refers to West. | LONGITUDE | 1 |
| DATE OF THE POSITION | IS_Report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTim e | DateTime | The date and time when the position of the vessel was taken by the vessel's navigation equipment. | The Must be a valid UTC date time according to ISO 8601 format when the position was obtained by the vessel navigation equipment, transmitted by the VMS system on-board of the vessel. e.g. 2008-10- 31T15:07:38Z (milliseconds can be provided optionally). Note: should be the same DateTime value as that of the Start of the Inspection | | 1 |
| INITIAL LOCATION OF THE SIGHTED VESSEL | | | | | | |
| LOCATION IN PORT | IS_Report IS_Report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +FLUX_Location /TypeCode="LOCATION" +ID +Name | Identifier | The port in which the vessel was sighted, if any. ID used for reporting UN/LOCODE and Name for free text name of port. | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID="LOCATION" +value | LOCATION IN PORT | 1, one of the two |
| LOCATION AT SEA | IS_Report IS_Report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +FLUX_Location /TypeCode="AREA" +/ID | Code Identifier | The fishing, statistical or management area the sighted vessel was in when sighted | FLUX_Location: ListID="FLUX_LOCATION_TYPE" ID: schemeID value in ISR_AREA_TYPE | LOCATION AT SEA | |
| COURSE AND SPEED OF THE SIGHTED VESSEL | IS_report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / TypeCode="INITIAL_SIGHTING" | Association | Initial heading and speed of the sighted vessel at the time of sighting or detection (in degrees and in knots) | | Annex XXIII - 15. INITIAL HEADING AND SPEED AT THE TIME OF SIGHTING OR DETECTION | 0..1 |
| COURSE | IS_report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / CourseValueMeasure | Measure | Initial heading of the sighted vessel at the time of sighting or detection (in degrees) | In degrees and decimal degrees. Maximum 2 significant decimal. | COURSE | 0..1 |
| SPEED | IS_report / Vessel_Transport Means / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / SpeedValueMeasure | Measure | Initial speed of the sighted vessel at the time of sighting or detection (in knots) | In knots. Maximum 2 significant decimal | SPEED | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|--------------|---|--|--|-------------|
| NAME | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +Name | Text | Vessel name: to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel | | Annex XXIII - 7 NAME | 0..1 |
| FLAG | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +Registration Vessel_ Country | Identifier | Flag State (ISO alpha-3 country code): to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel | schemeID="TERRITORY" +value (Country ISO3 CODE) Use "N/A" if no flag or more than one flag. | Annex XXIII - 6. FLAG STATE | 0..1 |
| VESSEL TYPE | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +TypeCode | Code | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) | listID="VESSEL_TYPE" | Annex XXIII - 13. TYPE | 0..1 |
| EXTERNAL REGISTRATION NUMBER | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ID / SchemeID="EXT_MARK" | Identifier | External registration number (side hull): to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel | SchemeID = "EXT_MARK" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | Annex XXIII - 8. EXTERNAL REGISTRATION NUMBER | 0..1 |
| INTERNATIONAL RADIO CALL SIGN | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ID / SchemeID="IRCS" | Identifier | International radio call sign: to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel | SchemeID = "IRCS" +Value schemeID from the code list FLUX_VESSEL_ID_TYPE | Annex XXIII - 9. INTERNATIONAL RADIO CALL SIGN | 0..1 |
| PORT OF REGISTRY | Vessel_ Transport Means / Specified. Registration_ Event / Related. Registration_ Location/ TypeCode ="LOCATION" +ID +Name | Identifier | Registration port: to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel. ID used for reporting UN/LOCODE and Name for free text name of port. | FLUX_ Location: listID="FLUX_LOCATION_TYPE" ID: schemeID="LOCATION" | Annex XXIII - 8. REGISTRATION PORT | 0..1 |
| IMO NUMBER | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ID / SchemeID="UVI" | Identifier | UVI (IMO) number: to be obtained from what is seen or detected of, or regarding, the vessel or from radio contact with the vessel | | Annex XXIII - 10. INTERNATIONAL MARITIME ORGANISATION NUMBER | 0..1 |
| COMMUNITY FLEET REGISTER NUMBER | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ID / schemeID="CFR" | Identifier | Community Fleet Register Number, if the vessel is an EU vessel (ISO alpha-3 country code +9 figures) | | Annex XXIII - 11. COMMUNITY FLEET REGISTER NUMBER | 0..1 |
| COLOR OF THE HULL | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="COLOR_OF_THE_HULL" +Value (text) | Text | Overall colour of the hull (indicate source of information) | listID="ISR_VESSEL_TECH_CHARACT" | Annex XXIII - 12. DESCRIPTION | 0..1 |
| SUPERSTRUCTURE COLOR | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="SUPERSTRUCTURE_COLOR" +Value (text) | Text | Overall colour of the superstructure (indicate source of information) | listID="ISR_VESSEL_TECH_CHARACT" | Annex XXIII - 12. DESCRIPTION | 0..1 |
| NUMBER OF MASTS | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="NUMBER_OF_MASTS" +Value. Quantity +Value (text) | Numeric Text | Number of masts (Use Value (text) to indicate source of information) | listID="ISR_VESSEL_TECH_CHARACT" | Annex XXIII - 12. DESCRIPTION | 0..1 |
| POSITION OF THE BRIDGE | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / | Code Text | Position of the bridge (Use Value (text) to indicate source of information) | TypeCode listID="ISR_VESSEL_TECH_CHARACT" ValueCode listID="ISR_POSITION_OF_BRIDGE" | Annex XXIII - 12. DESCRIPTION | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|-----------------------------|---|------------------------------|--|--|---|-------------|
| | TypeCode ="POSITION_OF_THE_BRIDGE" +ValueCode +Value (text) | | | | | |
| FUNNEL LENGTH | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="FUNNEL_LENGTH" +ValueMeasure +Value (text) | Numeric Text | Approximative funnel length in meters (Use Value (text) to indicate source of information) | listID="ISR_VESSEL_TECH_CHARACT" | Annex XXIII - 12. DESCRIPTION | 0..1 |
| OTHER | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="OTHER" +Value (text) | Text | Any other details relevant to the description of the sighted vessel (indicate source of information) | listID="ISR_VESSEL_TECH_CHARACT" | Annex XXIII - 12. DESCRIPTION | 0..1 |
| ACTIVITY | IS_Report / ISRIItemCharacteristic / TypeCode= "VESSEL_ACTIVITY " +Value (text) | Text | Activity of the sighted or detected vessel as applicable: report for each activity if the vessel was fishing, setting fishing gear, hauling, transhipping, transferring, towing, transiting, anchoring or any other activities (to be detailed) including date, time, position, heading and speed of the vessel (indicate source of information) | | Annex XXIII - 16. ACTIVITY OTHER INFORMATION | 0..1 |
| CONTACT WITH THE VESSEL | IS_Report / ISRIItemCharacteristic / TypeCode= "CONTACT_WITH_THE_VESSEL" +ValueIndicator | Indicator | Whether any contact was made with the vessel (Yes, No) | | | 0..1 |
| COMMUNICATION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode= "COMMUNICATION_MEANS" +ValueCode and Value (text) when "Other" | Code Text | Communication means (radio, email...) | listID="COMM_EQUIP_TYPE" | | 0..1 |
| DETAILS OF COMMUNICATION | IS_Report / ISRIItemCharacteristic / TypeCode= "COMMUNICATION_DETAILS" +Value (text) | Text | Details of communication: summarise any communication with the vessel with indication of the name, nationality, position given by the person(s) contacted on board of the sighted/detected vessel | | Annex XXIII - 19. DETAILS OF COMMUNICATION WITH THE VESSEL | 0..1 |
| CONTACTED PERSON | IS_Report / Vessel_ Transport Means RoleCode="SIGHTED_VESSEL" / ContactParty / RoleCode="CONTACTED_PERSON" | Association | Details of the person(s) contacted on board the sighted vessel | | CONTACTED PERSON | 0..1 |
| PERSON NAME | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Given Name IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Middle Name | Text Text Text Text | The given name and family name (at least) of the contacted person | Given Name and Family name are mandatory | | 0..1 |

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|--|--------------|--|--|---------------------------------|-------------|
| | IS_Report / Vessel_ Transport Means / ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Family Name Prefix IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Family Name IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Name Suffix | | | | | |
| NATIONALITY | IS_Report / Vessel_ Transport Means RoleCode="SIGHTED_VESSEL" / ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Nationality_ Country | Identifier | The country of nationality of the vessel owner | schemeID="TERRITORY" +value (Country ISO3 CODE) | NATIONALITY | 0..1 |
| SUMMARY OF THE COMMUNICATION | IS_Report / ISRIItemCharacteristic / TypeCode= "SUMMARY_OF_THE_COMMUNICATIO N" +Value (text) | Text | Detailed summary of all communications with the sighted vessel | | SUMMARY OF THE COMMUNICATION | 0..1 |
| RECORD TYPE | IS_Report / ISRIItemCharacteristic / TypeCode= "TYPE_OF_RECORD" +ValueCode +Value (text) | Code Text | Record of sighting or detection: indicate if the sighting or detection was made by photograph, video, etc. (ValueCode). Optional details as text (Value (text)), must be indicated if OTHER | listID="ISR_RECORD_TYPE" | | 0..n |

5 DOCUMENTS & AUTHORISATIONS

None.

6 GEAR

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------|---|-----------|---|---------|--------------------|-------------|
| GEAR TYPE | IS_Report / Vessel_ Transport Means / RoleCode="SIGHTED_VESSEL" +OnBoardFishingGear / TypeCode | Code | Fishing Gear sighted on/around the vessel | | | 0..n |

7 CATCH / PRODUCT

None.

8 OBSERVATIONS AND COMMENTS

See section 7.1.11.

9 SUSPECTED INFRINGEMENTS

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|---------------------------------|---|----------------|--|---|--------------------|-------------|
| SUSPECTED INFRINGEMENT OBSERVED | IS_Report / ISRItemCharacteristic / TypeCode="SUSPECTED_INFRINGEMENT_OBS" | Indicator Text | Whether a suspected infringement has been observed (Yes/No +Optional text) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | | 0..1 |
| SUSPECTED INFRINGEMENT | IS_Report / ISRInfringementSuspicion | Association | Suspected infringements identified. One element per suspected infringement (See section 7.1.19). | | | 0..n |

10 INSPECTION CLOSURE

| Business term | Entity mapping | Data Type | Description | Remarks | 404/2011 Reference | Cardinality |
|------------------------------|--|-----------|---|---|--------------------|-------------|
| REPORTING OFFICIAL SIGNATURE | IS_Report / ISRItemCharacteristic / TypeCode="REPORTING_OFFICIAL_SIGNATURE" +ValueIndicator | Indicator | Whether the sighting report was signed by the reporting official (Yes/No) | TypeCode value in listID="ISR_ITEM_CHARACTERISTIC" ValueIndicator / IndicatorString in code list "BOOLEAN_TYPE" | SIGNATURE | 0..1 |

7.2. FLUX ISR Query Message

Description: The type of message used by the IS Report Querier to query inspection data from an IS Report holder.

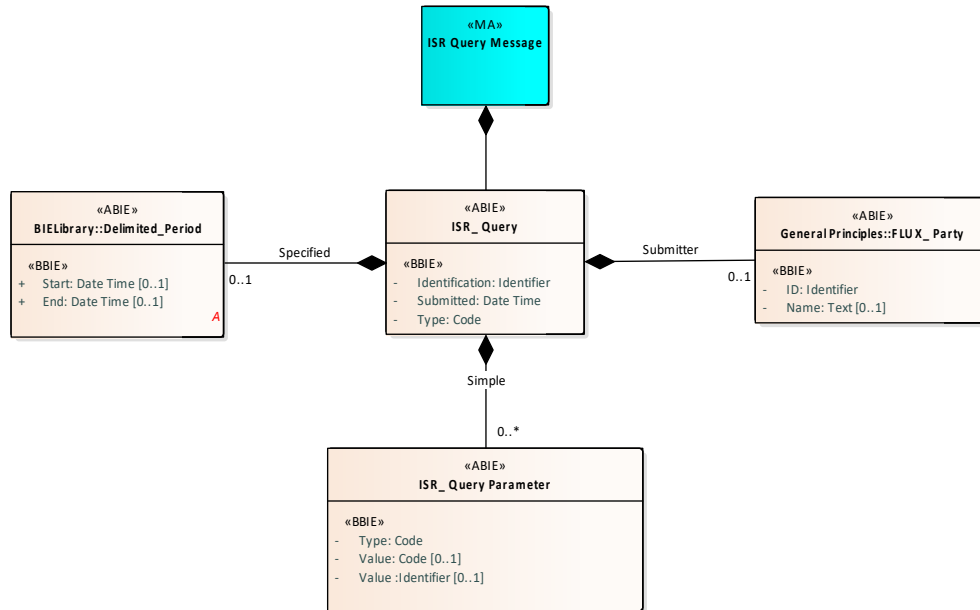


Figure 9. Class diagram for a FLUX Inspection and Surveillance Query Message⁸

7.2.1. ISR_Query Entity

Description: Entity containing a formally raised question or request for information for ISR documents.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|---|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | The identifier for this ISR query. | schemeID="UUID" +Value A Version 4 UUID as defined in the RFC 4122 |
| SubmittedDateTime | DateTime | 1 | 1 | Date and time when this Query was submitted | The date/time according to ISO 8601 format in UTC |
| Type | Code | 1 | 1 | A code specifying the type of ISR query. | The code specifying the type of ISR query. Code in listID="ISR_QUERY_TYPE" list, values include: Q-VESSEL: a query for reports relevant to a vessel: At sea, In port and Transhipment inspection reports, as well as Surveillance reports; Q-MARKET: a query for reports relevant to Market/Premises inspection reports; |

⁸ The diagram shows only entities which are necessary for this sub-domain. However, the final delivered message will also include children entities, such as VesselTransportMeans children entities (e.g.: Vessel_Engine, Vessel_Dimension), that are not displayed. In consequence, extra information, such as vessel technical characteristics might be provided using the complete message (see relevant FLUX documents for a complete description).

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-----------------------------|-------------|-------------|-----|--|---|
| | | min | max | | |
| | | | | | Q-TRANSPORT: a query for reports relevant to Transport inspection reports. |
| Submitter FLUX_Party | Association | 1 | 1 | The FLUX party that submits this Query. | |
| Specified. Delimited_Period | Association | 1 | 1 | The period delimiting the time frame for retrieving data | Start and end date/time included in the period. This is mandatory. |
| Simple ISR_Query Parameter | Association | 1 | n | A simple query parameter for this Query. | |

7.2.2. FLUX_Party Entity

Description: Entity containing the identification of the requester.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|---|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | The party sending the query | schemeID="ISR_GP_PARTY" +Value XFA when sent by EFCA |
| Name | Text | 0 | 1 | The name of the FLUX party creating the message | Free text giving more details on the Party. |

7.2.3. Delimited_Period Entity

Description: Entity containing information that limits or restricts the scope of an ISR query: IS Report documents are selected based on the date of the report submission that must be in that delimited time period.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|--|---|
| | | min | max | | |
| Start | DateTime | 1 | 1 | The start date/time of the period delimiting the time frame of the query | The start date/time according to ISO 8601 format in UTC. If the time part of the date/time is omitted, 00:00 is assumed. |
| End | DateTime | 1 | 1 | The end date/time of the period delimiting the time frame of the query | The end date/time according to ISO 8601 format in UTC If the time part of the date/time is omitted, 24:00 is assumed. |

7.2.4. ISR Query_ Parameter Entity

Description: Entity containing information defining the scope of an ISR query.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|---|
| | | min | max | | |
| Type | Code | 1 | 1 | The code specifying the type of ISR Query_ Parameter for this query. | listID="ISR_QUERY_PARAM" See Table 2 for the list of query parameters and their description. |
| Value | Code | 0 | 1 | The value, expressed as a code, for this ISR Query_ Parameter. | See Table 2. |
| Value | Identifier | 0 | 1 | The value, expressed as an identifier, for this ISR Query_ Parameter. | See Table 2. |

Table 2 presents the list of available Query Parameters (included in the code list ISR_QUERY_PARAM).

| Query parameter (in listID="ISR_QUERY_PARAM ") | Description |
|--|--|
| CONTROL_PARTY | ValueID in schemeID="ISR_CONTROL_PARTY" |
| INSPECTION_PROGRAMME | ValueCode in listID="ISR_INSPECTION_PROGRAMME" |
| QUERY_CONTEXT | ValueCode in listID="ISR_QUERY_CONTEXT" |
| REGISTRATION_STATE | ValueID in schemeID="TERRITORY" |
| REPORT_READABLE_ID | ValueID with schemeID="EU_ISR_ID". |
| TRANSPORT_EQUIPMENT_ID | ValueID using a schemeID in FLUX_VEHICLE_ID_TYPE |
| VEHICLE_ID | Value.ID using a schemeID in FLUX_VEHICLE_ID_TYPE |
| VESSEL_FLAG | ValueID in schemeID="TERRITORY". Note that if VESSEL_ID is provided using schemeID="EXT_MARK" then VESSEL_FLAG is mandatory. |
| VESSEL_ID | ValueID using schemeID values CFR, IRCS, UVI or EXT_MARK |

Table 2. Description of the Query Parameters

Correct use of query parameters is verified through a specific Business Rule checking that a query parameter is authorised for the query type and the query context, as defined in the code list ISR_QUERY_TYPE_PARAM.

The code list provides the parameters (column Param) which can be used for a query type (column QueryType) and a Query Context (column QueryContext). An additional column (column Boolean) indicates if the parameter is mandatory (Y) or not (N) for the Query Type and Query Context.

For example, the code list register indicates that the Parameter "INSPECTION_PROGRAMME" is a mandatory parameter for a query type "Q-VESSEL" in the Query Context "JDP":

| QueryType | Param | QueryContext | Mandatory | StartDate | EndDate |
|-----------|----------------------|--------------|-----------|------------|------------|
| Q-VESSEL | CONTROL_PARTY | JDP | N | 2021-12-15 | 2100-12-31 |
| Q-VESSEL | INSPECTION_PROGRAMME | JDP | Y | 2021-12-15 | 2100-12-31 |
| Q-VESSEL | REPORT_READABLE_ID | JDP | N | 2021-12-15 | 2100-12-31 |
| Q-VESSEL | VESSEL_FLAG | JDP | N | 2021-12-15 | 2100-12-31 |
| Q-VESSEL | VESSEL_ID | JDP | N | 2021-12-15 | 2100-12-31 |

7.3. FLUX Response Message

Description: The type of message which is used for responding to FLUX IS Report Messages or FLUX ISR Query Messages.

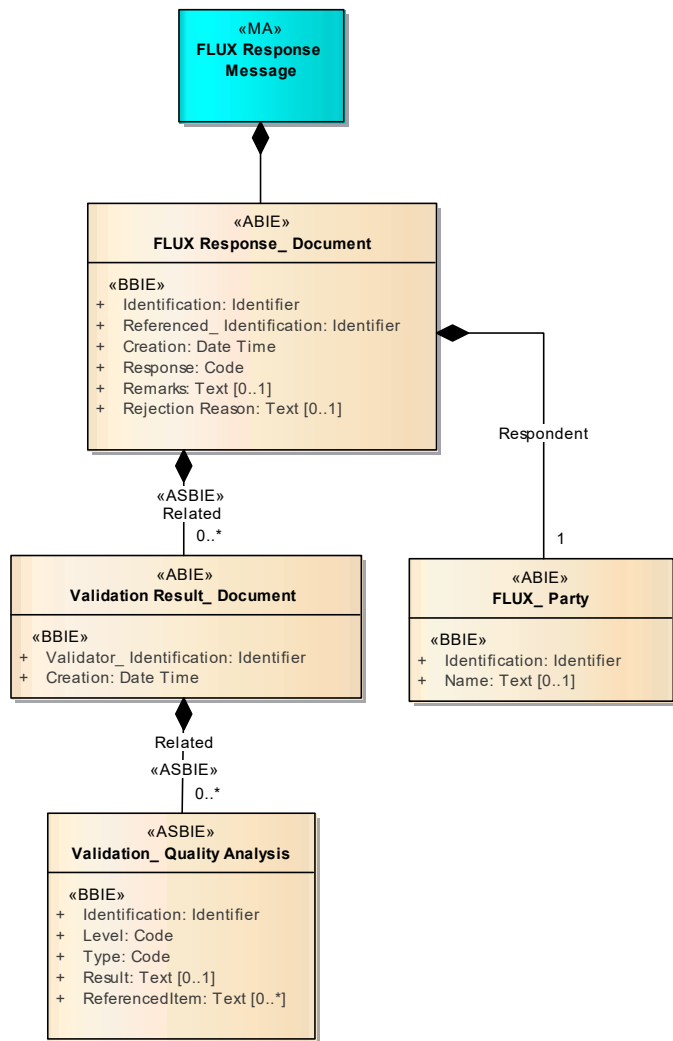


Figure 10. Class Diagram for FLUX Response Message

7.3.2. FLUX Response_ Document Entity

Description: The type of report which is used when replying to a FLUX ISR Report Message or a FLUX ISR Query Message.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|--------------------------------------|-------------|-------------|-----|---|---|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | The Global Unique Identifier of the FLUX Response Message. | schemeID="UUID" +value. Version 4 UUID as defined in the RFC 4122. |
| Referenced_ identification | Identifier | 1 | 1 | The identifier of a referenced FLUX ISR Report Message or FLUX ISR Query Message to which this FLUX Response Document refers. Where available and correctly used in the original message received, the UUID shall be used as a reference. The FLUX TL ON shall be used when the UUID of the original message is not available, incorrect or incorrectly used. See section 6.5 for more information. | Used for referencing the query message or the ISR report message that has been validated. schemeID="UUID" Version 4 UUID as defined in the RFC 4122. schemeID="FLUXTL_ON" the reference taken from the message envelope in case of a parsing problem with the message resulting on a non-availability of the UUID schemeID values come from the FLUX_GP_MSG_ID code list |
| Creation | DateTime | 1 | 1 | The date time UTC value of the creation of this FLUX Response Message. | Date/time that this report has been created. A UTC date time according to ISO 8601 format. The usage of 'Z' character defining UTC time zone is strongly recommended. e.g. 2008-10-31T15:07:38.6875000Z. |
| Response | Code | 1 | 1 | The code specifying the general status of the validation process, which has been applied on the referenced FLUX ISR Report Message. | listID="FLUX_GP_RESPONSE" Status code: OK, NOK, WOK (OK with warnings only) |
| Remarks | Text | 0 | 1 | A general textual remark related to the Response code. | |
| Rejection Reason | Text | 0 | 1 | A textual description of the main reason for rejection. | |
| Related. Validation Result_ Document | Association | 0 | n | The validation result document related to this FLUX response. | For a response to a Report Message: to be provided only in case at least one BR fails (ResponseCode <> OK). |
| Respondent FLUX_ Party | Association | 1 | 1 | The party owning this FLUX Report Document. | |

7.3.3. Respondent FLUX_ Party

Description: Identification of the FLUX party sending the response.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|--------------------------------|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | The identifier of the FLUX party, creating and sending the message. | schemeID="ISR_GP_PARTY" +Value |

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|----------|-------------|-----|---|---|
| | | min | max | | |
| Name | Text | 0 | 1 | The name of the FLUX party creating the message | Free text giving more details on the Party. e.g. Control Party reporting the data (i.e. name of the country or other party). |

7.3.4. Validation Result_ Document Entity

Description: Entity containing information about the validation process.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|---------------------------------------|-------------|-------------|-----|--|--|
| | | min | max | | |
| Validator Identification | Identifier | 1 | 1 | The identifier of the validating party. | schemeID="ISR_GP_PARTY" |
| Creation DateTime | DateTime | 1 | 1 | The date/time of the creation of this validation report. | A UTC date time according to ISO 8601 format. The usage of 'Z' character defining UTC time zone is strongly recommended. e.g. 2008-10-31T15:07:38.6875000Z. |
| Related. Validation_ Quality Analysis | Association | 0 | n | Details of the validation report | All failed business rules identified during the validation process are part of FLUX Response Document. The information on the failed business rules are at the level of data field. |

7.3.5. Validation_ Quality Analysis Entity

Description: Entity containing the results of the validation process.

| Entity/Field Name | DataType | Cardinality | | Description | Remarks |
|-------------------|------------|-------------|-----|---|---|
| | | min | max | | |
| Identification | Identifier | 1 | 1 | Business rule identification. | schemeID="ISR_BR" e.g.: ISR-L00-00-0000 |
| Level | Code | 1 | 1 | The code specifying the validation level of the business rule. | listID="FLUX_GP_VALIDATION_LEVEL" e.g.: L00 |
| Type | Code | 1 | 1 | The code specifying the type of error found. | listID="FLUX_GP_VALIDATION_TYPE" e.g. ERR, WAR |
| Result | Text | 0 | 1 | Text explaining the business rule violation. | <i>Standardized error/warning message in English: value of EnMessage in code list "ISR_BR_DEF".</i> |
| Referenced Item | Text | 0 | n | An information to locate in the XML the data causing the problem. | X-path to the element(s) causing the rule to fail. |

7.4. Correction/replacement and deletion

To indicate which IS_ Report is to be replaced or deleted, the replacement or deletion FLUX ISR Message includes in its "FLUX Report Document / ReferencedID" the unique identifier of the Included FLUX Report Document attached to the IS Report to replace or delete.

- Submission of the original IS Report:
 - FLUX ISR Message
 - Flux Report Document
 - ID <UUID of this new Message>
 - PurposeCode=9 (original submission)
 - [...]
 - IS_ Report
 - Included Flux Report Document
 - PurposeCode=9 (original submission)
 - ID=<UUID of new submitted IS Report>
 - [...]
- Correction of the IS Report:
 - FLUX ISR Message
 - Flux Report Document
 - ID <UUID of this new Message>
 - PurposeCode=5 (correction)
 - ReferencedID=<UUID of the IS Report to replace>
 - [...]
 - IS_ Report
 - Included Flux Report Document
 - PurposeCode=5 (correction)
 - ID= <UUID of new submitted IS Report replacing the previous one>
 - ReferencedID=<UUID of the IS Report to replace>
 - [...]
- Deletion of the IS Report:
 - FLUX ISR Message
 - Flux Report Document
 - ID=<UUID of this new Message>
 - PurposeCode=3 (deletion)
 - ReferencedID=<UUID of the IS Report to delete>
 - [...]
 - No IS_ Report

8. BUSINESS RULES

The list of business rules below is used to verify that the data quality of ISR messages transmitted over the FLUX system is sufficiently high to ensure their relevance.

In an exchange of data between two systems without any human intervention, the principle is to give back to the sending system as much as possible feedback about the received message. Therefore, it is advised to execute as many business rules as possible at the reception of the message and to reply to the sender by putting in the response all the possible errors (or warnings) detected, not stopping the validation process at the first error.

The response message returned to the sender of the message will contain information on the acceptance or refusal of that message.

If a validation is performed by a component of a web application based on data entered interactively by a user in a web form, the business rules could be applied on a case-by-case basis.

The list of Applicable. Business rules defined for the ISR data domain (ISR_BR_DEF) is available on the Master Data Register page of the European Commission Fisheries website.

A business rule is applicable during a time interval defined by its start and end dates. The reference date to be used to select the applicable business rules is the creation date of the corresponding message element:

- The content of a FLUXReportDocument shall be validated according to the applicable business rules at the date of the FLUXReportDocument.Creation.DateTime.
- The content of an ISReport element shall be validated according to the applicable business rules at the date of the ISReport.IncludedFLUXReportDocument.Creation.DateTime.
- The content of an ISRQuery message shall be validated according to the applicable business rules at the date of the ISRQuery.SubmittedDateTime.
- The content of a FLUXResponseDocument shall be validated according to the applicable business rules at the date of the FLUXResponseDocument.Creation.DateTime.

These reference dates are also used to identify which code values of the code lists are valid when validating the content of a message.

A rule related to a data element is only applicable if the data element is present, except if the rule explicitly checks the presence of the data element.

The use of "must be present" or "is present" in the definition of a rule, when applied to an element with value, means both that the XML element must be present and has a value (not empty).

It is recommended that a rule checking the validity of a code value in a code list is only applied when the BR checking the correctness of the code list name has been passed successfully.

It is recommended that a rule comparing the values of 2 data elements is only applied when both values are present and valid.

The rules including a condition in their definition shall only be applied if the condition was verified.

An overloaded data element is defined as a data element communicated repetitively (based on the cardinality of the element defined in the data model) and exceeding the limit imposed by the implementation document or that is not mentioned in the implementation document but still is compliant to the UN/FLUX standard. In this version of the document, there are no business rules⁹ defined to detect overloaded data elements and therefore to report such issue to the sender. Such data elements are ignored by the validation process. For example, multiple CFR identifiers for a vessel is allowed by the standard but limited to one in the implementation document.

⁹ Additional business rules can be defined in a future version.

If the parsing of the incoming message fails because the XML does not comply to the XSD schema, the validation of the business rules is not required (optional), and only the BR ISR-L00-00-0000 is communicated in the validation report of the response. The reference of the message in the response will be the FLUXTL_ON reference of the message envelope if the UUID cannot be identified due to the parsing problem.

The business rules are classified in 4 different levels:

- Level 0: Integrity Control (at a technical level).
- Level 1: Data Field Validation (presence, format or value of one entity or attribute).
- Level 2: Row validation (conditional validation within one report).
- Level 3: Content validation (conditional validation between reports within the same FLUX message).
- Level 4: Extended validation (conditional validation between different FLUX messages).

In order to give feedback as much as complete to the sender, a maximum of business rules are applied on the data. **It means that after the successful completion of level 0, the business rules from the other levels are applied.** The message and/or associated information put in the response message should be precise enough to locate the source of the problem in the submitted data.

Each business rule is identified by a unique reference assigned to the BR according to the following methodology format: ISR-Lxx-BB-CCCC where:

- ISR: Referring to the ISR domain in which the rule is relevant.
- Lxx: The level of the business rule
 - 00: Integrity control
 - 01: Data field validation
 - 02: Row validation
 - 03: Content validation
 - 04: Extended validation
- BB: sub-level. This part of the numbering is used to identify the sub-levels, if FLUX domain requires the split of the business rules levels. In the context of the ISR domain, it is used to indicate to which "module" the business rule applies:
 - 00: General business rules
 - 01: Module 1 –At Sea
 - 02: Module 2 –During Transshipment
 - 03: Module 3 –In port
 - 04: Module 4 – Market/premises
 - 05: Module 5 – Transport
 - 06: Module 6 – Surveillance & Sightings
- CCCC: This part of BR identification represents the sequence number of the business rule in the level and/or sub-level group so it can be uniquely identified.

Example: ISR-L01-01-0009: IS Report business rule n°9 in level 1 (data field validation), Module 1.

To facilitate the use of this Implementation Document in the light of the huge number of data elements involved in the ISR domain and because some entities are used multiple times for different purposes within a given report (such as Vessel_ Transport Means for the Patrol Vessel and for the Inspected Vessel or ContactParty for the Inspectors, Vessel Owner, Vessel Master...), the business rules for the IS_ Report entity are presented not by

entities (as is done in the rest of this document) but by business terms (i.e. following the data structure of an ISR).

The following sections will describe first some business rules common to all modules, then, for each ISR type, the specific relevant business rules. The tables included below should be read as follows (not all columns are used in all tables):

- *BR-ID*: the unique business rule identifier (see above).
- *Business term*: the name of the data element (e.g.: Patrol vessel).
- *Entity mapping*: the *Entity mapping*: the FLUX ISR entity the element has been mapped to (e.g.: Vessel_Transport means).
- *Business rule*: a description of the business rule.
- *Fail result*: when the BR conditions are not met, what error is generated (ERR: error or WAR: warning, see above).
- *Message*: the message returned when the BR conditions are not met. Note that we assume that the software that would handle the validation of the IS reports would always include the full entity reference in the error/warning messages it returns, so it is not indicated in the "Message" value.

8.1. General business rules

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|---|
| ISR-L00-00-0000 | FLUX message | FLUXISRReportMessage; FLUXISRQueryMessage; FLUXISRResponseMessage | Verifies whether or not the message is a valid XML and if it can be validated against the XSD schema | ERR | An invalid XML message has been received. |
| ISR-L00-00-9999 | FLUX message | FLUXISRQueryMessage | Verifies that the query will return results | WAR | No data corresponding to the query. |
| ISR-L00-00-9998 | FLUX message | FLUXISRQueryMessage | Verifies that the requester has the permission to query for the information | ERR | PERMISSION: The querier is not allowed access to the requested data. No FLUX ISR Report Message containing the response will be sent. |

8.1.1. Rules for Owner FLUX Party entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------|--------------------|---|-------------|---|
| ISR-L00-00-0025 | Owner Flux Party | OwnerFluxParty /ID | Must be present | ERR | Missing OwnerFLUXParty/ID |
| ISR-L01-00-0033 | Owner Flux Party | OwnerFluxParty /ID | Check attribute schemeID. Must be ISR_GP_PARTY | ERR | Invalid schemeID |
| ISR-L01-00-0034 | Owner Flux Party | OwnerFluxParty /ID | Check code from the schemeID list (ISR_GP_PARTY) | ERR | Invalid code for OwnerFLUXParty/ID |
| ISR-L03-00-0007 | Owner Flux Party | OwnerFluxParty /ID | Check if OwnerFLUXParty.ID is consistent with FLUX TL values. | WAR | The identification of the party sending the message and identified at the level of the FLUX-TL must be the same in the OwnerFluxParty entity (no delegation for sending data on behalf of another flag state) |

8.2. ISR Query business rules

8.2.1. Rules for ISR_ Query entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|-----------------------------|---|-------------|--|
| ISR-L00-00-0002 | ISR Query | ISR Query/ID | Must be present | ERR | Missing ISR Query/ID |
| ISR-L01-00-0138 | ISR Query | ISR Query/ID | Check attribute schemeID. Must be "UUID" | ERR | ISR Query/ID schemeID is not "UUID" |
| ISR-L01-00-0001 | ISR Query | ISR Query/ID | Check Format : Version 4 UUID | ERR | ISR Query/ID is not a Version 4 UUID |
| ISR-L03-00-0001 | ISR Query | ISR Query/ID | The identifier (UUID) of the message shall be unique. Checks if an ISR query message was already received with the same UUID. | ERR | ISR Query/ID is not unique |
| ISR-L00-00-0003 | ISR Query | ISR Query/SubmittedDateTime | Must be present | ERR | Missing ISR Query/Submitted |
| ISR-L01-00-0002 | ISR Query | ISR Query/SubmittedDateTime | Check format | ERR | Invalid format for ISR Query/SubmittedDateTime |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|--|---|-------------|--|
| ISR-L00-00-0004 | ISR Query | ISR Query/Type | Must be present | ERR | Missing ISR Query/Type |
| ISR-L01-00-0003 | ISR Query | ISR Query/Type | Check listID attribute. Must be ISR_QUERY_TYPE | ERR | Invalid listID |
| ISR-L01-00-0004 | ISR Query | ISR Query/Type | Check code from the list listID="ISR_QUERY_TYPE" | ERR | Invalid code for ISR Query/Type |
| ISR-L00-00-0005 | ISR Query | ISR Query/Delimited_Period | Must be present | ERR | Missing Delimited_Period |
| ISR-L02-00-0005 | ISR Query | ISR Query/Delimited_Period | Only one occurrence | ERR | More than one Delimited_Period |
| ISR-L00-00-0006 | ISR Query | ISR Query/ISRQueryParameter with TypeCode="Query_context" | Must be present | ERR | Missing ISR Query Context |
| ISR-L02-00-0022 | ISR Query | ISR Query/ Delimited Period/Start | StartDate >= SystemDate - 3 years | ERR | Past data limited to three years from the current date |

8.2.2. Rules for SubmitterFluxParty

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------|---------------------------------|---|-------------|--|
| ISR-L00-00-0050 | Submitter Flux Party | ISR Query/SubmitterFluxParty/ID | Must be present | ERR | Missing Submitter Flux_Party/ID |
| ISR-L01-00-0140 | Submitter Flux Party | ISR Query/SubmitterFluxParty/ID | Check attribute schemeID. Must be ISR_GP_PARTY | ERR | Invalid schemeID |
| ISR-L01-00-0141 | Submitter Flux Party | ISR Query/SubmitterFluxParty/ID | Check code from the schemeID list (ISR_GP_PARTY) | ERR | Invalid code for SubmitterFLUXParty/ID |
| ISR-L03-00-0142 | Submitter Flux Party | ISR Query/SubmitterFluxParty/ID | Check if SubmitterFLUXParty.ID is consistent with FLUX TL values. | WAR | The identification of the party sending the query message and identified at the level of the FLUX-TL must be the same in the SubmitterFluxParty entity |

8.2.3. Rules for Delimited_Period entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------|--|-----------------|-------------|---|
| ISR-L00-00-0023 | Delimited Period | Delimited Period/Start | Must be present | ERR | Missing Delimited Period/Start |
| ISR-L01-00-0031 | Delimited Period | Delimited Period/Start | Check format | ERR | Invalid format for Delimited Period/Start |
| ISR-L00-00-0024 | Delimited Period | Delimited Period/End | Must be present | ERR | Missing Delimited Period/End |
| ISR-L01-00-0032 | Delimited Period | Delimited Period/End | Check format | ERR | Invalid format for Delimited Period/End |
| ISR-L02-00-0016 | Delimited Period | Delimited Period/Start, Delimited Period/End | Start < End | ERR | Delimited period end must be > start. |

8.2.4. Rules for ISR_ Query Parameter entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------|---|---|-------------|---|
| ISR-L01-00-0005 | Query Parameter | ISR Query Parameter/Type | Check listID attribute. Must be ISR_QUERY_PARAM | ERR | Invalid listID |
| ISR-L01-00-0006 | Query Parameter | ISR Query Parameter/Type | Check code from the list listID="ISR_QUERY_PARAM" | ERR | Invalid ISR Query Parameter/Type |
| ISR-L01-00-0080 | Query Parameter | ISR Query Parameter/Type, ISR Query Parameter/Value | If TypeCode = "QUERY_CONTEXT", the value of ValueCode must be in the code list "ISR_QUERY_CONTEXT" indicated in listID | ERR | Query Context not valid |
| ISR-L00-00-0051 | Query Parameter | ISR Query Parameter/Type, ISR Query Parameter/Value | If TypeCode = "QUERY_CONTEXT" and value="JDP", Query parameter with TypeCode "INSPECTION_PROGRAMME" must be present | ERR | JDP query requires Inspection/surveillance programme value |
| ISR-L02-00-0006 | Query Parameter | ISR Query/Type, ISR Query Parameter/Type, ISR Query Parameter/Value | ISR Query Parameter/Type must be in ISR_QUERY_TYPE_PARAM according to ISR Query/Type value and ISR Query Parameter/TypeCode="QUERY_CONTEXT"+Value | ERR | Query parameter exception: not authorised for the query type and query context. |
| ISR-L01-00-0081 | Query Parameter | ISR Query Parameter/Type | if TypeCode="VESSEL_ID", ValueID must be present with a value of SchemeID in the code list "FLUX_VESSEL_ID_TYPE" | ERR | Invalid type of vessel identifier provided as query parameter |
| ISR-L01-00-0084 | Query Parameter | ISR Query Parameter/Type ISR Query Parameter/Value | If TypeCode="REGISTRATION_STATE", value of ValueID must be in the code list indicated in schemeID ("TERRITORY") | ERR | Country of registration is not valid |
| ISR-L01-00-0128 | Query Parameter | ISR Query Parameter/Type | If TypeCode="INSPECTION_PROGRAMME", value of ValueID must be in the code list indicated in listID ("ISR_INSPECTION_PROGRAMME") | ERR | Invalid Inspection Programme |
| ISR-L01-00-0130 | Query Parameter | ISR Query Parameter/Type | If TypeCode="CONTROL_PARTY", value must be in the code list indicated in listID ("ISR_CONTROL_PARTY") | ERR | Invalid Control Party |
| ISR-L00-00-0054 | Query Parameter | ISR Query Parameter/Type | If a query parameter with TypeCode="VEHICLE_ID" or "TRANSPORT_EQUIPMENT_ID" is present, then a query parameter with TypeCode="REGISTRATION_STATE" must be present | WAR | Vehicle or trailer ID provided but no registration state provided |
| ISR-L00-00-0055 | Query Parameter | ISR Query Parameter/Type | If a query parameter with TypeCode="VESSEL_ID" and schemeID="EXT_MARK" is present, then a query parameter with TypeCode="VESSEL_FLAG" must be present | WAR | Vessel external marking provided but no flag state provided |
| ISR-L00-00-0056 | Query Parameter | ISR Query Parameter/Type, ISR Query Parameter/Value | If a query parameter with TypeCode = "QUERY_CONTEXT" and value="PRE" is present, then a query parameter with TypeCode "VESSEL_ID" must be present | ERR | Pre-Inspection query requires vessel_Id parameter value |

8.3. Rules for Response entity

List of business rules that must be applied to control the validity of any response when received.

8.3.1. Rules for FLUX Response_ Document entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------------|--|---|-------------|--|
| ISR-L01-00-0085 | FLUX Response Document | FLUXResponseDocument/ID | Check attribute schemeID. Must be "UUID". | ERR | FLUXResponseDocument/ID schemeID is not "UUID" |
| ISR-L01-00-0008 | FLUX Response Document | FLUXResponseDocument/ID | Check Format. Must be according to the Specified. schemeID. | ERR | The format of the identifier doesn't match the type of Identifier. |
| ISR-L03-00-0003 | FLUX Response Document | FLUXResponseDocument/ID | The identifier (UUID) of the message shall be unique. Checks if an ISR response message was already received with the same UUID. | ERR | FLUXResponseDocument/ID is not unique |
| ISR-L01-00-0086 | FLUX Response Document | FLUXResponseDocument/ReferencedID | Check attribute schemeID. Must be a valid value from code list FLUX_GP_MSG_ID. The UUID of the original message (schemeID=UUID) shall be used as a reference. In cases when this UUID of the original message is not available (eg. not present or XSD failure of that message), erroneous (invalid UUID format) or not correctly used in the original message (eg. wrong or no schemeID), the FLUX Transportation Layer operation number (SchemeID=FLUXTL_ON) shall be used ¹⁰ . | ERR | Invalid schemeID |
| ISR-L01-00-0009 | FLUX Response Document | FLUXResponseDocument/ReferencedID | Check Format. Must be according to the Specified. schemeID. | ERR | The format of the identifier doesn't match the type of Identifier |
| ISR-L03-00-0004 | FLUX Response Document | FLUXResponseDocument/ReferencedID | The identification must exist for a FLUXISRReportMessage or for a FLUXISRQuery message | ERR | Referenced identification not provided or not matching the ID of an already sent ISR Report or ISR Query |
| ISR-L00-00-0010 | FLUX Response Document | FLUXResponseDocument/ResponseCode | Check presence. Must be present. | ERR | Missing FLUXResponseDocument/ResponseCode |
| ISR-L01-00-0087 | FLUX Response Document | FLUXResponseDocument/ResponseCode | Check attribute listID. Must be FLUX_GP_RESPONSE | ERR | Invalid listID |
| ISR-L01-00-0088 | FLUX Response Document | FLUXResponseDocument/ResponseCode | Check ValueCode. Value must be in the code list provided in listID. | ERR | FLUXResponseDocument/ResponseCode invalid |
| ISR-L00-00-0011 | FLUX Response Document | FLUXResponseDocument/Creation.DateTime | Check presence. Must be present. | ERR | Missing FLUXResponseDocument/Creation.DateTime |

¹⁰ When the following rules fail, the schemeID FLUXTL_ON is expected to be used as a reference to the original message: ISR-L00-00-0000, ISR-L00-00-0018, ISR-L01-00-0029, ISR-L01-00-0030, ISR-L00-00-002 and ISR-L01-00-0001.

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------------|--|---|-------------|--|
| ISR-L01-00-0010 | FLUX Response Document | FLUXResponseDocument/Creation.DateTime | Check Format. Must be date/time in UTC according to ISO8601 and format YYYY-MM-DDThh:mm:ssZ (optional milliseconds) | ERR | Not a valid ISO8601 date format. |
| ISR-L01-00-0011 | FLUX Response Document | FLUXResponseDocument/Creation.DateTime | Date must be in the past. | WAR | FLUXResponseDocument/Creation.DateTime not in the past |
| ISR-L00-00-0012 | FLUX Response Document | FLUXResponseDocument/RespondentFLUXParty | Check presence. Must be present | ERR | Missing FLUXResponseDocument/RespondentFLUXParty |
| ISR-L02-00-0012 | FLUX Response Document | FLUXResponseDocument/ValidationResultDocument, FLUXResponseDocument/ResponseCode | At least one occurrence if ResponseCode <> OK | ERR | ResponseCode <> OK but missing FLUXResponseDocument/ValidationResultDocument |

8.3.2. Rules for FLUX Respondent Party entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------------|------------------------|--|-------------|---|
| ISR-L00-00-0013 | FLUX Respondent Party | RespondentFLUXParty/ID | Check presence. Must be present | ERR | Missing RespondentFLUXParty/ID |
| ISR-L01-00-0012 | FLUX Respondent Party | RespondentFLUXParty/ID | Check attribute schemeID. Must be ISR_GP_PARTY | ERR | Invalid schemeID |
| ISR-L01-00-0139 | FLUX Respondent Party | RespondentFLUXParty/ID | Check code from the schemeID list (ISR_GP_PARTY) | ERR | Invalid code for RespondentFLUXParty/ID |
| ISR-L03-00-0005 | FLUX Respondent Party | RespondentFLUXParty/ID | Check if RespondentFLUXParty/ID is consistent with FLUX TL values. | ERR | The party sending the response must be the same as the one from the FR value of the FLUX TL envelope. Only the part before the first colon is to be considered: E.g. ABC:something => only ABC refers to the party for the purpose of this rule |

8.3.3. Rules for Validation Result Document entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------------|---|---|-------------|---|
| ISR-L00-00-0014 | Validation Result Document | ValidationResultDocument / ValidatorID | Check presence. Must be present. | ERR | Missing ValidationResultDocument / ValidatorID |
| ISR-L01-00-0013 | Validation Result Document | ValidationResultDocument/ValidatorID | Check schemeID. Must be ISR_GP_PARTY. | ERR | Invalid schemeID |
| ISR-L01-00-0014 | Validation Result Document | ValidationResultDocument/ValidatorID | Check value. Must be value from the code list Specified. in schemeID. | ERR | ValidationResultDocument/ValidatorID is invalid |
| ISR-L02-00-0013 | Validation Result Document | ValidationResultDocument/ValidationQualityAnalysis, FLUXResponseDocument/ResponseCode | At least one occurrence must be present if ResponseCode<> OK | ERR | ResponseCode <> OK but missing ValidationResultDocument/ValidationQualityAnalysis |

8.3.4. Rules for Validation Quality Analysis entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------------------|--|---|-------------|---|
| ISR-L00-00-0015 | Validation Quality Analysis | ValidationQualityAnalysis/ID | Check presence. Must be present. | ERR | Missing ValidationQualityAnalysis/ID |
| ISR-L01-00-0015 | Validation Quality Analysis | ValidationQualityAnalysis/ID | Check schemeID attribute. Must be ISR_BR. | ERR | Invalid SchemeID |
| ISR-L01-00-0016 | Validation Quality Analysis | ValidationQualityAnalysis/ID | Check value. Must be in the list specified in SchemeID. | ERR | ValidationQualityAnalysis/ID is invalid |
| ISR-L01-00-0089 | Validation Quality Analysis | ValidationQualityAnalysis/LevelCode | Check presence. Must be present. | ERR | Missing ValidationQualityAnalysis/LevelCode |
| ISR-L01-00-0017 | Validation Quality Analysis | ValidationQualityAnalysis/LevelCode | Check listID. Must be FLUX_GP_VALIDATION_LEVEL. | ERR | Invalid listID |
| ISR-L01-00-0018 | Validation Quality Analysis | ValidationQualityAnalysis/LevelCode | Check Code. Must be in the list specified in listID. | ERR | Invalid ValidationQualityAnalysis/LevelCode |
| ISR-L01-00-0019 | Validation Quality Analysis | ValidationQualityAnalysis/TypeCode | Check listID. Must be FLUX_GP_VALIDATION_TYPE. | ERR | Invalid listID |
| ISR-L01-00-0020 | Validation Quality Analysis | ValidationQualityAnalysis/TypeCode | Check value of TypeCode. Must be in the list specified in listID. | ERR | Invalid ValidationQualityAnalysis/TypeCode |
| ISR-L01-00-0090 | Validation Quality Analysis | ValidationQualityAnalysis/Result | Must be non-empty | WAR | ValidationQualityAnalysis/Result is empty |
| ISR-L02-00-0020 | Validation Quality Analysis | ValidationQualityAnalysis/ReferencedItem, ValidationQualityAnalysis/TypeCode | At least one non-empty occurrence if TypeCode is ERR or WAR. | WAR | TypeCode is ERR or WAR but missing ValidationQualityAnalysis/ReferencedItem |

8.4. Common Inspection and Surveillance Report BRs

8.4.1. Rules for FLUX_Report Document entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------|---------------------------------|--|-------------|---|
| ISR-L00-00-0001 | FLUX Report Document | FLUX_ReportDocument | Must be present | ERR | Missing FLUX_ReportDocument |
| ISR-L02-00-0001 | FLUX Report Document | FLUX_ReportDocument | There must be only one report document | ERR | More than one FLUX_ReportDocument |
| ISR-L00-00-0018 | FLUX Report Document | FLUX_ReportDocument/ID | Must be present. | ERR | No FLUX_ReportDocument Identification provided |
| ISR-L00-00-0019 | FLUX Report Document | FLUX_ReportDocument/Creation | Must be present. | ERR | Missing FLUX_ReportDocument/Creation |
| ISR-L01-00-0022 | FLUX Report Document | FLUX_ReportDocument/Creation | Check Format. Must be date in UTC according to ISO8601 | ERR | Invalid format for FLUX_ReportDocument/Creation |
| ISR-L01-00-0023 | FLUX Report Document | FLUX_ReportDocument/Creation | Date must be in the past. | ERR | FLUX_ReportDocument/Creation not in the past |
| ISR-L00-00-0020 | FLUX Report Document | FLUX_ReportDocument/PurposeCode | The code must be present. | ERR | Missing FLUX_ReportDocument/Purpose |
| ISR-L01-00-0024 | FLUX Report Document | FLUX_ReportDocument/PurposeCode | Check attribute listID. Must be FLUX_GP_PURPOSE | ERR | Invalid listID for FLUX_ReportDocument/Purpose |
| ISR-L01-00-0025 | FLUX Report Document | FLUX_ReportDocument/PurposeCode | Value must be in FLUX_GP_PURPOSE. | ERR | Invalid FLUX_ReportDocument/Purpose code |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------|---|---|-------------|---|
| ISR-L01-00-0026 | FLUX Report Document | FLUX_ReportDocument/PurposeCode | Purpose code should not be 1 (cancellation) | ERR | Purpose code should not be 1 (cancellation) |
| ISR-L03-00-0010 | FLUX Report Document | FLUX_ReportDocument/PurposeCode, FLUX_ReportDocument/ReferencedID | If deletion or correction (purpose code 3 or 5), the referenced identification shall be provided and shall refer to the identifier of an IS Report already received IS Report and which is the last version (not already corrected or deleted). | ERR | Referenced identification not provided or not one of an already received ISR report, referring to a report not received or to a report which is not the last version received (already corrected or deleted). |
| ISR-L00-00-0021 | FLUX Report Document | FLUX_ReportDocument / Owner_FLUXParty | Must be present. | ERR | Missing FLUXParty |
| ISR-L02-00-0021 | FLUX Report Document | FLUX_ReportDocument / Owner_FLUXParty | Only one party. | ERR | More than one Owner FLUXParty |
| ISR-L01-00-0027 | FLUX Report Document | FLUX_ReportDocument/ ReferencedID | Check attribute schemeID. Must be Version 4 UUID. | ERR | Invalid schemeID |
| ISR-L01-00-0028 | FLUX Report Document | FLUX_ReportDocument/ ReferencedID | If Referenced Identification is present, check Format. Must be according to the Specified. schemeID. | ERR | Must be according to RFC4122 format. |
| ISR-L01-00-0029 | FLUX Report Document | FLUX_ReportDocument/ID | Check attribute schemeID. Must be UUID. | ERR | Invalid schemeID |
| ISR-L01-00-0030 | FLUX Report Document | FLUX_ReportDocument/ID | Check Format. Must be according to the Specified. schemeID. | ERR | Must be according to RFC4122 format for version 4 UUID. |
| ISR-L03-00-0006 | FLUX Report Document | FLUX_ReportDocument/ID | The identifier (UUID) of the message shall be unique. Checks if an ISR message was already received with the same UUID. | ERR | FLUX_ReportDocument/ID is not unique |
| ISR-L02-00-0023 | FLUX Report Document | FLUXReportDocument/PurposeCode; IS_Report / IncludedFluxReportDocument/PurposeCode | Both purpose codes must be the same | ERR | The purpose codes of the ISR Message and IS Report are different. |
| ISR-L02-00-0024 | FLUX Report Document | FLUXReportDocument/ReferencedID IS_Report / IncludedFluxReportDocument/ReferencedID | In the context of a correction, the ISReport/includedFluxReportDocument/ReferencedID must be present and shall have the same value than the FLUXReportDocument/ReferencedID | ERR | The value of the ISReport/ReferencedID is missing or different from the value of the FLUXReportDocument/ReferencedID |

8.4.2. Rules for IS_Report

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------------------|---|---|-------------|---|
| ISR-L00-00-0053 | FLUX Report Document | IS_Report / IncludedFluxReportDocument | Must be present | ERR | There must be an IS_Report / IncludedFluxReportDocument |
| ISR-L03-00-0011 | Inspection Report Reference | IS_Report / IncludedFluxReportDocument/ID | Must be unique | WAR | The unique IS Report identifier already exists. |
| ISR-L01-00-0136 | Inspection Report Reference | IS_Report / IncludedFluxReportDocument/ID | Check attribute schemeID. Must be UUID. | ERR | Invalid schemeID |
| ISR-L01-00-0137 | Inspection Report Reference | IS_Report / IncludedFluxReportDocument/ID | Check Format. Must be according to the Specified. schemeID. | ERR | Must be according to RFC4122 format for version 4 UUID. |
| ISR-L00-00-0052 | Report Type | IS_Report / TypeCode | Must be present | ERR | The type of report is not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---|----------------------|--|-------------|---|
| ISR-L01-00-0094 | Report Type | IS_Report / TypeCode | Check attribute listID. Must be ISR_REPORT_TYPE | WAR | Invalid listID provided |
| ISR-L01-00-0095 | Report Type | IS_Report / TypeCode | value must be in listID="ISR_REPORT_TYPE" | ERR | The type of report is not valid |
| ISR-L03-00-0012 | Inspection Report Reference (Human Readable Identifier) | IS_Report / ID | If PurposeCode=5 (correction), IS_Report / ID in the new version must be the same as the one in the original version it should replace | ERR | The Human Readable Identifier of an IS Report cannot be corrected |

8.4.3. Rules for Structured_Address entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--------------------|--|---|-------------|--|
| ISR-L00-00-0026 | Structured Address | StructuredAddress/Streetname; StructuredAddress/BlockName; StructuredAddress/PostOfficeBox | At least one of the 3 elements Street Name, Block Name or Post Office Box must be present | WAR | No Street Name, Block Name or Post Office Box provided |
| ISR-L01-00-0035 | Structured Address | StructuredAddress/Streetname | Non-empty (if provided) | WAR | StructuredAddress/Streetname is empty |
| ISR-L00-00-0027 | Structured Address | StructuredAddress/PostalArea | Check presence. Must be present, except if CountryID = "IRL" (Ireland) | WAR | Missing StructuredAddress/PostalArea |
| ISR-L01-00-0036 | Structured Address | StructuredAddress/PostalArea | Non-empty (if provided) | WAR | StructuredAddress/PostalArea is empty |
| ISR-L00-00-0028 | Structured Address | StructuredAddress/CityName | Check presence. Must be present | WAR | Missing StructuredAddress/CityName |
| ISR-L01-00-0037 | Structured Address | StructuredAddress/CityName | Non-empty | WAR | StructuredAddress/CityName is empty |
| ISR-L00-00-0029 | Structured Address | StructuredAddress/CountryID | Check presence. Must be present | WAR | Missing StructuredAddress/CountryID |
| ISR-L01-00-0091 | Structured Address | StructuredAddress/CountryID | Check schemeID. Must be TERRITORY | WAR | Invalid schemeID |
| ISR-L01-00-0092 | Structured Address | StructuredAddress/CountryID | Check code. Must exist in the list Specified. in attribute schemeID | WAR | Invalid code for StructuredAddress/CountryID |

8.4.4. Rules for Vessel_Geographical Coordinates entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------------|--|----------------------------|-------------|-----------------------------|
| ISR-L00-00-0033 | Vessel_Geographical Coordinates | Vessel_Geographical Coordinate / Latitude | Must be present | WAR | Latitude is not provided |
| ISR-L01-00-0038 | Vessel_Geographical Coordinates | Vessel_Geographical Coordinate / Latitude | Must be a number | WAR | Latitude is not a number |
| ISR-L01-00-0039 | Vessel_Geographical Coordinates | Vessel_Geographical Coordinate / Latitude | Must be between -90 and 90 | WAR | Latitude value is incorrect |
| ISR-L00-00-0034 | Vessel_Geographical Coordinates | Vessel_Geographical Coordinate / Longitude | Must be present | WAR | Longitude is not provided |
| ISR-L01-00-0040 | Vessel_Geographical Coordinates | Vessel_Geographical Coordinate / Longitude | Must be a number | WAR | Longitude is not a number |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------------------|---|------------------------------|-------------|------------------------------|
| ISR-L01-00-0041 | Vessel_ Geographical Coordinates | Vessel_ Geographical Coordinate / Longitude | Must be between -180 and 180 | WAR | Longitude value is incorrect |

8.4.5. Rules for ISRItemCharacteristic entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-------------------------|--|---|-------------|--|
| ISR-L00-00-0035 | ISR Item Characteristic | ISR Item Characteristic/TypeCode | Must be present | WAR | ISR Item Characteristic/TypeCode not provided |
| ISR-L01-00-0042 | ISR Item Characteristic | ISR Item Characteristic/TypeCode | Check listID attribute. Must be ISR_ITEM_CHARACTERISTIC | WAR | Invalid listID |
| ISR-L01-00-0043 | ISR Item Characteristic | ISR Item Characteristic/TypeCode | TypeCode must be in listID="ISR_ITEM_CHARACTERISTIC" | WAR | ISR Item Characteristic/TypeCode not in listID="ISR_ITEM_CHARACTERISTIC" |
| ISR-L01-00-0044 | ISR Item Characteristic | ISR Item Characteristic/CheckInspectionCode | Check listID attribute. Must be ISR_CHECK | WAR | Invalid listID |
| ISR-L01-00-0045 | ISR Item Characteristic | ISR Item Characteristic/CheckInspectionCode | CheckInspectionCode must be in listID="ISR_CHECK" | WAR | CheckInspectionCode is not valid |
| ISR-L01-00-0047 | ISR Item Characteristic | ISR Item Characteristic/ValueIndicator | ValueIndicator/Indicator.String must be in listID="BOOLEAN_TYPE" | WAR | ValueIndicator is not valid |
| ISR-L01-00-0048 | ISR Item Characteristic | ISR Item Characteristic/ValueMeasure | Must be a number | WAR | ValueMeasure is not valid |
| ISR-L01-00-0050 | ISR Item Characteristic | ISR Item Characteristic/ValueDateTime | Date Time value must be a UTC date time according to ISO 8601 format (e.g. 2008-10- 31Z). | WAR | ValueDateTime is not valid |
| ISR-L01-00-0129 | ISR Item Characteristic | ISR Item Characteristic/TypeCode="INSPECTION_PROGRAME" | If provided, ValueCode must be present and in listID="ISR_INSPECTION_PROGRAMME" | WAR | Invalid Inspection Programme |

8.4.6. Rules for ISRItemCharacteristic / TypeCode = "OBSERVATION_AND_COMMENTS" entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--------------------------|--|--|-------------|---|
| ISR-L00-00-0036 | Observation and Comments | IS_Report / ISRItemCharacteristic / TypeCode="OBSERVATIONS_AND_COMMENTS" / ValueCode | Must be present for each occurrence of IS_Report / ISRItemCharacteristic / TypeCode="OBSERVATION_AND_COMMENTS" | WAR | OBSERVATIONS AND COMMENTS TYPE not provided |
| ISR-L01-00-0051 | Observation and Comments | IS_Report / ISRItemCharacteristic / TypeCode="OBSERVATIONS_AND_COMMENTS" / ValueCode | ValueCode must be in listID="ISR_OBSERV_COMMENTS_TYPE" | WAR | Code of OBSERVATIONS AND COMMENTS typenot valid |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--------------------------|--|---|-------------|---|
| ISR-L00-00-0037 | Observation and Comments | IS_Report / ISRIItemCharacteristic / TypeCode="OBSERVATIONS_AND_COMMENTS" / Value (text) | Must be present for each occurrence of IS_Report / ISRIItemCharacteristic / TypeCode="OBSERVATION_AND_COMMENTS" | WAR | OBSERVATIONS AND COMMENTS DETAILS not provided |

8.4.7. Rules for Fishing_Gear entity

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|---------------------------------------|
| ISR-L00-00-0038 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "GEAR_CHECKED" +CheckInspectionCode="Yes" | WAR | Gear not provided though Gear checked |
| ISR-L00-00-0039 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / TypeCode | Must be present. | WAR | Gear type not provided |
| ISR-L01-00-0052 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / TypeCode | Check attribute listID. Must be GEAR_TYPE | WAR | Invalid listID provided |
| ISR-L01-00-0053 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / TypeCode | Value must be in listID="GEAR_TYPE" | WAR | Gear type not valid |
| ISR-L00-00-0040 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode +Value | Must be present. There must be at least 1 entry | WAR | GEAR CHARACTERISTIC not provided |
| ISR-L01-00-0054 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode | Check attribute listID. Must be listID="FA_GEAR_CHARACTERISTIC" | WAR | Invalid listID provided |
| ISR-L01-00-0055 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode +Value | TypeCode values in listID="FA_GEAR_CHARACTERISTIC" | WAR | GEAR CHARACTERISTIC Code not valid |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|---|
| ISR-L01-00-0056 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode +Value | Must be non empty | WAR | GEAR CHARACTERISTIC value not provided |
| ISR-L01-00-0057 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode +Value | Must be applicable to gear type. Use "ISR_GEAR_GEAR_CHARACTER" code list | WAR | GEAR CHARACTERISTIC not applicable to the type of gear |
| ISR-L01-00-0058 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / Gear Inspection_Event / Gear_Characteristic / TypeCode +Value | For each GEAR CHARACTERISTIC, the Value data type must match that indicated in listID="FA_GEAR_CHARACTERISTIC" | ERR | GEAR CHARACTERISTIC Value data type invalid |
| ISR-L00-00-0042 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / AttachedFishingGearEquipment / TypeCode | Must be present for each attachment | WAR | GEAR ATTACHMENT TYPE not provided |
| ISR-L01-00-0059 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / AttachedFishingGearEquipment / TypeCode | Check attribute listID. Must be "FA_DEVICE_GEAR_ATTACHMENT" | WAR | Invalid listID provided |
| ISR-L01-00-0060 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / AttachedFishingGearEquipment / TypeCode | Value of TypeCode must be in listID="FA_DEVICE_GEAR_ATTACHMENT" | WAR | GEAR ATTACHMENT TYPE code not valid |
| ISR-L00-00-0043 | Fishing Gear | IS_Report / Vessel_Transport Means / RoleCode="INSPECTED_VESSEL" +OnBoardFishingGear / AttachedFishingGearEquipment / Gear Equipment Inspection_Event / Gear_Characteristic / TypeCode + Value | Must be present, at least 1 per Gear_Equipment. | WAR | GEAR ATTACHMENT CHARACTERISTIC not provided |
| ISR-L01-00-0132 | Fishing Gear | Gear Inspection_Event / Gear_Characteristic / TypeCode="TT" +ValueCode | ValueCode listID must be present with the value "ISR_TWINE_TYPE" if TypeCode="TT" | ERR | Twine Type cpde listID not provided or with wrong value |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|--|
| ISR-L01-00-0133 | Fishing Gear | Gear Inspection_ Event / Gear_ Characteristic /TypeCode="TT" +ValueCode | ValueCode must be in code list "ISR_TWINE_TYPE" | WAR | Invalid twine type provided |
| ISR-L01-00-0134 | Fishing Gear | Gear Inspection_ Event / Gear_ Characteristic /TypeCode="MS" +ValueCode | ValueCode listID must be present with the value "ISR_MESH_TYPE" if TypeCode="MS" | WAR | Mesh Type code listID not provided or with wrong value |
| ISR-L01-00-0135 | Fishing Gear | Gear Inspection_ Event / Gear_ Characteristic /TypeCode="MS" +ValueCode | ValueCode must be in code list "ISR_MESH_TYPE" | WAR | Invalid mesh type provided |

8.4.8. Rules for ISRItemCharacteristic / TypeCode= "SUSPECTED_INFRINGEMENT_OBS" and ISRInfringementSuspicion entities

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------------|---|--|-------------|--|
| ISR-L00-00-0044 | Suspected Infringement | IS_ Report / ISRItemCharacteristic / TypeCode="SUSPECTED_INFRINGEMENT_OBS" | Must be present | WAR | SUSPECTED_INFRINGEMENT_OBS must be present |
| ISR-L03-00-0009 | Suspected Infringement | IS_ Report / ISRInfringementSuspicion | If IS_ Report / ISRItemCharacteristic / TypeCode="SUSPECTED_INFRINGEMENT_OBS" +ValueIndicator / IndicatorString ="N", ISRInfringementSuspicion must not be present | WAR | SUSPECTED_INFRINGEMENT_OBS value is NO but ISRInfringementSuspicion provided |
| ISR-L01-00-0068 | Suspected Infringement | IS_ Report / ISRInfringementSuspicion / TypeCode | Check attribute listID. Must be in ISR_INFRINGEMENT_CLASSIF | WAR | Invalid listID provided |
| ISR-L01-00-0069 | Suspected Infringement | IS_ Report / ISRInfringementSuspicion / TypeCode | TypeCode Value must be in listID defined in ISR_INFRINGEMENT_CLASSIF | WAR | INFRINGEMENT TYPE not valid |
| ISR-L00-00-0047 | Suspected Infringement | IS_ Report / ISRInfringementSuspicion / Observation/ Value (text) or IS_ Report / ISRInfringementSuspicion / Legal_ Reference/ Value (text) | Must be present and not empty if IS_ Report / ISRInfringementSuspicion / TypeCode is absent | WAR | SUSPECTED INFRINGEMENT OBSERVATIONS or LEGAL REFERENCE must be provided when SUSPECTED INFRINGEMENT TYPE is not provided |
| ISR-L01-00-0072 | Suspected Infringement | IS_ Report / ISRInfringementSuspicionISRInfringementSuspicion / Potential_ Serious Violation +ValueIndicator | ValueIndicator/Indicator String must be in listID="BOOLEAN_TYPE" | WAR | POTENTIAL SERIOUS VIOLATION not valid |

8.4.9. Rules for FLUX_ Location / TypeCode="AREA" (Fishing Area)

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|-------------------------------------|--|-------------|---|
| ISR-L01-00-0100 | | FLUX_ Location /TypeCode="AREA" | Check attribute listID of TypeCode. Must be FLUX_LOCATION_TYPE | WAR | Incorrect FLUX_ Location Type Code listID |
| ISR-L01-00-0101 | | FLUX_ Location /TypeCode="AREA" +ID | Check attribute schemeID of ID. If TypeCode= AREA, schemeID value must be in ISR_AREA_TYPE | WAR | Invalid schemeID provided for FLUX_ Location of type AREA |

| | | | | | |
|-----------------|--|-------------------------------------|--|-----|---|
| ISR-L01-00-0102 | | FLUX_ Location /TypeCode="AREA" +ID | Check value of ID. Must be in the code list indicated in schemeID attribute of ID. | WAR | ID of location not in the indicated schemeID. |
|-----------------|--|-------------------------------------|--|-----|---|

8.4.10. Rules for UVI/IMO NUMBER validation (ID, SchemeID="UVI")

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|--|
| ISR-L01-00-0103 | | VesselTransportMeans / ID, SchemeID="UVI" | The UVI identifier must be a valid IMO number. | ERR | The provided identifier is not a valid IMO number. |

See Section 14.1 for the validation rules for UVI/IMO numbers.

8.4.11. Rules for UnitCode of a Measure

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|-------------------------------|---|-------------|---------------------------|
| ISR-L01-00-0131 | Measure unit | ValueMeasure WeightMeasure | If attribute unitCode is provided, check that the value is in the code list FLUX_UNIT | WAR | Invalid measure unit code |

8.5. Rules for Inspection at sea (Module 1)

All these business rules apply to any IS_Report where *IS_Report / TypeCode= "AT_SEA"*.

8.5.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-------------------------------------|--|---|-------------|--|
| ISR-L00-01-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-01-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-01-0002 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3). | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-01-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-01-0002 | REPORT DATE | IS_Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-01-0003 | REPORT DATE | IS_Report / Reference.DateTime | IS_Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-01-0005 | REPORT CONTEXT | IS_Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-01-0006 | REPORT CONTEXT | IS_Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-01-0007 | REPORT CONTEXT | IS_Report / ContextTypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The report context is not valid |
| ISR-L00-01-0006 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" ContactParty | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-01-0008 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-01-0009 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | value must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-01-0007 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Control authority is not provided |
| ISR-L01-01-0090 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must not be empty | WAR | The Control authority is empty |
| ISR-L01-01-0010 | DATE/TIME ARRIVED ON BOARD | IS_Report / IS_Event / TypeCode= "INSPECTION" +Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD" +Subordinate IS_Event / OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / Subordinate IS_Event / OccurrenceDelimitedPeriod / Start.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime format for PRESENCE ON BOARD is not valid |
| ISR-L02-01-0010 | DATE/TIME ARRIVED ON BOARD | IS_Report / IS_Event / Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD" +Subordinate IS_Event / OccurrenceDelimitedPeriod / Start.DateTime | Start.DateTime of presence on board value must be equal or before the Date/Time of start of the inspection | WAR | The DateTime for PRESENCE ON BOARD must not be after the DATE/TIME OF THE INSPECTION - START |
| ISR-L00-01-0009 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime must be present | ERR | The DateTime of the start of the inspection is not provided. |
| ISR-L01-01-0011 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime | ERR | The DateTime of the start of the inspection format is not valid. |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--------------------------------------|---|---|-------------|---|
| | | | value must be a UTC date time according to ISO 8601 format | | |
| ISR-L00-01-0010 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime must be present | WAR | The DateTime of the end of the inspection is not provided. |
| ISR-L01-01-0012 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of the end of the inspection format is not valid. |
| ISR-L02-01-0001 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of the end of the inspection is before the DateTime of the start. |
| ISR-L01-01-0013 | DATE/TIME OF DEPARTURE FROM VESSEL | IS_Report / IS_Event / Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD"; IS_Report / IS_Event / Subordinate IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / Subordinate IS_Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of departure from the vessel format is not valid. |
| ISR-L02-01-0002 | DATE/TIME OF DEPARTURE FROM VESSEL | IS_Report / IS_Event / Subordinate IS_Event / TypeCode= "PRESENCE_ON_BOARD"; IS_Report / IS_Event / Subordinate IS_Event / OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of departure from the vessel is before the DateTime of the arrival on board. |

8.5.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--|--|---|-------------|---|
| ISR-L00-01-0011 | PATROL VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" | Must be present | ERR | The patrol vessel is not provided |
| ISR-L00-01-0012 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Must be present | ERR | The Patrol Vessel's Flag State is not provided. |
| ISR-L01-01-0014 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-01-0015 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country / ID | ID must be in schemeID="TERRITORY" | ERR | Flag State value is not valid. |
| ISR-L00-01-0013 | NAME | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Name | Must be present | WAR | The patrol vessel name is not provided |
| ISR-L01-01-0016 | EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | Check attribute schemeID. Must be EXT_MARK, IRCS or UVI | ERR | Invalid schemeID provided |
| ISR-L00-01-0014 | EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | There must be at least one EXT_MARK, IRCS or UVI | ERR | At least one of the IRCS, External Markings or UVI must be provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-------------------------------|---|---|-------------|--|
| ISR-L00-01-0015 | PATROL VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_ Position event | Must be present | WAR | The position of the patrol vessel is not provided |
| ISR-L00-01-0016 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / | Must be present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-01-0018 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedObtainedOccurrenceDateTime | Must be present | WAR | DateTime of patrol vessel position not provided |
| ISR-L01-01-0021 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedObtainedOccurrenceDateTime | must be a UTC date time according to ISO 8601 format | WAR | DateTime of patrol vessel position not in a valid format |
| ISR-L02-01-0003 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedObtainedOccurrenceDateTime | Must be the same as Start of inspection date/time | WAR | DateTime of patrol vessel position not the same as Start of Inspection |
| ISR-L00-01-0019 | LOCATION OF THE PATROL VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +FLUX_ Location /TypeCode="AREA" /ID | Must be present | WAR | Location of patrol vessel not provided |
| ISR-L00-01-0020 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Must be present. | WAR | Inspector in charge not provided |
| ISR-L01-01-0024 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Check attribute listID. Must be FLUX_CONTACT_ROLE | WAR | Invalid listID provided |
| ISR-L00-01-0021 | NAME or ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_ Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE", IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_ Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID must be present | WAR | Inspector in charge Name or ID must be provided |
| ISR-L00-01-0110 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_ Person / Given Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_ Person is present, Given Name Must be present | WAR | Inspector in charge Given Name must be present |
| ISR-L01-01-0091 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_ Person Contact_ Person / Given Name | Given Name Must not be empty | WAR | Inspector in charge Given Name must not be empty |
| ISR-L00-01-0111 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_ Person Contact_ Person / Family Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_ Person is present, Family name must be present | WAR | Inspector in charge Family Name must be present |
| ISR-L01-01-0092 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_ Person Contact_ Person / Family Name | Family name must not be empty | WAR | Inspector in charge Family Name must not be empty |
| ISR-L01-01-0110 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-01-0111 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------|---|---|-------------|--|
| ISR-L00-01-0022 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country | Must be present if IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present. | WAR | Inspector in charge nationality not provided |
| ISR-L01-01-0025 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0026 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country / ID | ID must be in schemeID="TERRITORY" | WAR | Inspector in charge nationality value not valid |
| ISR-L00-01-0023 | SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" must be present | WAR | Second inspector not provided |
| ISR-L00-01-0024 | NAME or ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID | If IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " / Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID must be present. | WAR | Second inspector Name or ID not provided |
| ISR-L00-01-0112 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person / Given Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " / Contact_Person is present, Given Name Must be present | WAR | Second inspector Given Name must be present |
| ISR-L01-01-0093 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person / Given Name | Given Name Must not be empty | WAR | Second inspector Given Name must not be empty |
| ISR-L00-01-0113 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person / Family Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " / Contact_Person is present, Family name must be present | WAR | Second inspector Family Name must be present |
| ISR-L01-01-0094 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person / Family Name | Family name must not be empty | WAR | Second inspector Family Name must not be empty |
| ISR-L01-01-0112 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-01-0113 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-01-0025 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Must be present if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present. | WAR | Second inspector nationality not provided |
| ISR-L01-01-0027 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0028 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Second inspector nationality value not valid |
| ISR-L00-01-0026 | NAME or ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR " +ID | If IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR " / Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR " +ID must be present. | WAR | Other inspector name or ID not provided |
| ISR-L00-01-0114 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR " / Contact_Person is present, Given Name Must be present | WAR | Other inspector Given Name must be present |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|--|---|-------------|--|
| ISR-L01-01-0095 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Other inspector Given Name must not be empty |
| ISR-L00-01-0115 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Other inspector Family Name must be present |
| ISR-L01-01-0096 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Other inspector Family Name must not be empty |
| ISR-L01-01-0114 | ID | IS_Report / ContactParty / RoleCode = «OTHER_INSPECTOR» +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-01-0115 | ID | IS_Report / ContactParty / RoleCode = «OTHER_INSPECTOR» +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-01-0027 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | if IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" is present, must be present . | WAR | Other inspector nationality not provided |
| ISR-L01-01-0029 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0030 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Other inspector nationality value not valid |

8.5.3. Section 3 PRE-INSPECTION

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| ISR-L00-01-0028 | BOARDING LADDER CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "BOARDING_LADDER_CHECKED" +CheckInspectionCode | Must be present | WAR | BOARDING LADDER CHECK not provided |
| ISR-L00-01-0126 | VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK not provided |
| ISR-L00-01-0127 | VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode +ValueIndicator | ValueIndicator must be present if CheckInspectionCode="Yes" | WAR | VESSEL FISHING LOGBOOK COMPLETED BEFORE INSPECTION CHECKED but ValueIndicator not provided |

8.5.4. Section 4 INSPECTED VESSEL

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------|--|---|-------------|---|
| ISR-L00-01-0029 | INSPECTED VESSEL | IS_report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" | Must be present | ERR | INSPECTED VESSEL not provided |
| ISR-L01-01-0031 | INSPECTED VESSEL | IS_report / VesselTransportMeans / RoleCode | IS_report / VesselTransportMeans / RoleCode must be in listID="ISR_VESSEL_ROLE" | WAR | INSPECTED VESSEL RoleCode not in listID="ISR_VESSEL_ROLE" |
| ISR-L00-01-0030 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Name | Must be present. | WAR | The Inspected vessel name is not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| ISR-L00-01-0031 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | Must be present. | ERR | The Inspected Vessel's Flag State is not provided. |
| ISR-L01-01-0032 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-01-0033 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | ERR | Flag State value is not valid. |
| ISR-L00-01-0032 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | Must be present. | WAR | The Inspected vessel type is not provided |
| ISR-L01-01-0034 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | Check attribute listID. Must be VESSEL_TYPE | WAR | Invalid listID provided |
| ISR-L01-01-0035 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | TypeCode must be in listID="VESSEL_TYPE" | WAR | The Inspected vessel type is not valid |
| ISR-L01-01-0036 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | ERR | Invalid schemeID provided |
| ISR-L00-01-0033 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | There must be at least one EXT_MARK, IRCS UVI or CFR | ERR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L02-01-0011 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / schemeID="CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-01-0012 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |
| ISR-L00-01-0116 | INSPECTED VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event | Must be present. Can be same as Patrol Vessel | WAR | Inspected vessel position not provided |
| ISR-L00-01-0034 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / Specified. Vessel_Geographical Coordinate / | Must be present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-01-0036 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTime | Must be present | WAR | DateTime of inspected vessel position not provided |
| ISR-L01-01-0041 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTime | Must be an UTC date time according to ISO 8601 format) | WAR | DateTime of inspected vessel position not in a valid format |
| ISR-L02-01-0005 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTime | Must be the same DateTime value as that of the Start of the Inspection | WAR | DateTime of the position is different from DateTime of start of the inspection |
| ISR-L00-01-0038 | ACTIVITY | IS_Report / ISRIItemCharacteristic / TypeCode="VESSEL_ACTIVITY" +ValueCode | Must be present. | WAR | Inspected VESSEL ACTIVITY not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------|---|--|-------------|--|
| ISR-L01-01-0044 | ACTIVITY | IS_Report / ISRIItemCharacteristic / TypeCode="VESSEL_ACTIVITY" +ValueCode | Check attribute listID. Must be VESSEL_ACTIVITY | WAR | Invalid listID provided |
| ISR-L01-01-0045 | ACTIVITY | IS_Report / ISRIItemCharacteristic / TypeCode="VESSEL_ACTIVITY" +ValueCode | Value must be in listID="VESSEL_ACTIVITY" | WAR | invalid VESSEL ACTIVITY provided |
| ISR-L00-01-0039 | VMS OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_OPERATIONAL" +CheckInspectionCode | Must be present. | WAR | VMS OPERATIONAL check not provided |
| ISR-L00-01-0040 | VMS OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_OPERATIONAL" +CheckInspectionCode +Value (text) | If the Inspected Vessel's Flag (Registration. Vessel_Country) is not in EU, Value (text) must be present | WAR | VMS OPERATIONAL Value (text) must be provided for non-EU vessels |
| ISR-L00-01-0041 | REM OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "REM_OPERATIONAL" +CheckInspectionCode | Must be present. | WAR | REM OPERATIONAL check not provided |
| ISR-L00-01-0042 | LAST PORT OF CALL | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" | Must be present. | WAR | LAST PORT OF CALL not provided |
| ISR-L00-01-0043 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Must be present. | WAR | ID of LAST PORT OF CALL not provided |
| ISR-L01-01-0046 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-01-0047 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | ID must be in schemeID="LOCATION" | WAR | ID of LAST PORT OF CALL not valid |
| ISR-L00-01-0044 | DATE | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +ValueDateTime | Must be present | WAR | Date of last call in port not provided |
| ISR-L00-01-0045 | OWNER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" | Must be present. | WAR | Inspected vessel owner not provided |
| ISR-L00-01-0046 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="OWNER" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel owner name not provided |
| ISR-L00-01-0117 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_Person/Given Name | Given Name Must be present | WAR | Inspected vessel owner Given Name must be present |
| ISR-L01-01-0097 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_Person/Given Name | Given Name Must not be empty | WAR | Inspected vessel owner Given Name must not be empty |
| ISR-L00-01-0118 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_Person/Family Name | Family name must be present | WAR | Inspected vessel owner Family Name must be present |
| ISR-L01-01-0098 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / | Family name must not be empty | WAR | Inspected vessel owner Family Name must not be empty |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------|---|--|-------------|--|
| | | RoleCode="OWNER" +Contact_Person/Family Name | | | |
| ISR-L00-01-0047 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner nationality not provided |
| ISR-L01-01-0049 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0050 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel owner nationality not valid |
| ISR-L00-01-0048 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner address not provided |
| ISR-L00-01-0049 | CHARTERER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" | Must be present. | WAR | Inspected vessel charterer not provided |
| ISR-L00-01-0050 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="CHARTERER" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel charterer name not provided |
| ISR-L00-01-0119 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Given Name | Given Name Must be present | WAR | Inspected vessel charterer Given Name must be present |
| ISR-L01-01-0099 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Given Name | Given Name Must not be empty | WAR | Inspected vessel charterer Given Name must not be empty |
| ISR-L00-01-0120 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Family Name | Family name must be present | WAR | Inspected vessel charterer Family Name must be present |
| ISR-L01-01-0100 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Family Name | Family name must not be empty | WAR | Inspected vessel charterer Family Name must not be empty |
| ISR-L00-01-0051 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer nationality not provided |
| ISR-L01-01-0052 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0053 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel charterer nationality not valid |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------|--|--|-------------|--|
| ISR-L00-01-0052 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer address not provided |
| ISR-L00-01-0053 | AGENT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" | Must be present. | WAR | Inspected vessel agent not provided |
| ISR-L00-01-0054 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="AGENT" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel agent name not provided |
| ISR-L00-01-0121 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_Person /Given Name | Given Name Must be present | WAR | Inspected vessel agent Given Name must be present |
| ISR-L01-01-0101 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspected vessel agent Given Name must not be empty |
| ISR-L00-01-0122 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_Person /Family Name | Family name must be present | WAR | Inspected vessel agent Family Name must be present |
| ISR-L01-01-0102 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspected vessel agent Family Name must not be empty |
| ISR-L00-01-0055 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent nationality not provided |
| ISR-L01-01-0055 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0056 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-01-0056 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Structured_Address | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent address not provided |
| ISR-L00-01-0057 | MASTER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="MASTER" | Must be present. | ERR | Inspected vessel master not provided |
| ISR-L00-01-0058 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person / | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="MASTER" is present IS_Report / VesselTransportMeans / ContactParty / RoleCode="MASTER" / Contact_Person must be present | ERR | Inspected vessel master contact not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|---|-------------|---|
| ISR-L00-01-0123 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Given Name | Given Name Must be present | ERR | Inspected vessel master Given Name must be present |
| ISR-L01-01-0103 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Given Name | Given Name Must not be empty | ERR | Inspected vessel master Given Name must not be empty |
| ISR-L00-01-0124 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Family Name | Family name must be present | ERR | Inspected vessel master Family Name must be present |
| ISR-L01-01-0104 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Family Name | Family name must not be empty | ERR | Inspected vessel master Family Name must not be empty |
| ISR-L00-01-0059 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master nationality not provided |
| ISR-L01-01-0058 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-01-0059 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-01-0060 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Structured_Address | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master address not provided |

8.5.5. Section 5 DOCUMENTS & AUTHORISATIONS

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------------------------|--|--|-------------|---|
| ISR-L00-01-0061 | DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | Documents check not provided |
| ISR-L00-01-0062 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | CERTIFICATE OF REGISTRY ID CHECK not provided |
| ISR-L00-01-0063 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | CERTIFICATE OF REGISTRY ID CHECK Value (text) must be provided for non EU vessels |
| ISR-L00-01-0064 | PROPULSION POWER CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "ENGINE_PROP_POWER_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PROPULSION POWER CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------------------------|--|--|-------------|--|
| ISR-L00-01-0065 | PROPULSION POWER DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "ENGINE_PROP_POWER_CHECK" +Value (text) | if IS_Report / ISRIItemCharacteristic / TypeCode = "ENGINE_PROP_POWER_CHECK" / CheckInspectionCode="Yes", Value (text) must be present | WAR | PROPULSION POWER DETAILS not provided |
| ISR-L00-01-0066 | FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING LICENCE CHECK not provided |
| ISR-L00-01-0067 | FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | FISHING LICENCE DETAILS must be provided for non-EU vessels |
| ISR-L00-01-0068 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING AUTHORISATION CHECK not provided |
| ISR-L00-01-0128 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | ValueIndicator must be present if CheckInspectionCode="Yes" | WAR | Fishing autorisation checked but the result (ValueIndicator) is not provided |
| ISR-L00-01-0069 | FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | FISHING AUTHORISATION DETAILS must be provided for non-EU vessels |
| ISR-L00-01-0070 | PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PAPER FISHING LOGBOOK CHECK not provided |
| ISR-L00-01-0071 | NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode = "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | NUMBER OF PAPER FISHING LOG SHEET not provided |
| ISR-L00-01-0072 | FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "FIRST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | FIRST LOG SHEET NUMBER not provided |
| ISR-L00-01-0073 | LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "LAST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | LAST LOG SHEET NUMBER not provided |
| ISR-L00-01-0074 | ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "E_FISHING_LOGBOOK_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | ELECTRONIC FISHING LOGBOOK CHECK not provided |
| ISR-L00-01-0125 | PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PRIOR NOTIFICATION REFERENCE CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------------|--|---|-------------|--|
| ISR-L00-01-0075 | PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode = "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" /CheckInspectionCode="Yes" & ValueIndicator / IndicatorString ="Y"; ValueCode must be in listID="FA_REASON_ARRIVAL" | WAR | PURPOSE OF PRIOR NOTIFICATION not provided |
| ISR-L00-01-0076 | PRODUCER ORGANISATION REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode = "MEMBER_PRODUCER_ORGANISATION" +Value (text) | Must only be present if IS_Report / ISRIItemCharacteristic / TypeCode = "MEMBER_PRODUCER_ORGANISATION" / ValueIndicator / IndicatorString ="Y"; Value (text) must not be empty | WAR | PRODUCER ORGANISATION REFERENCE must be provided if vessel is a member of a PO |

8.5.6. Section 6 GEAR

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|----------------|---|--|-------------|---|
| ISR-L00-01-0077 | GEAR CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "GEAR_CHECKED" +CheckInspectionCode | Must be present. | WAR | GEAR CHECK not provided |
| ISR-L00-01-0078 | EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "EC_GAUGE_CHECKED" +CheckInspectionCode | Must be present if one mesh size has been measured (i.e. there is at least one occurrence of Gear_Characteristic where TypeCode="ME") | WAR | inspected net mesh size measured but EC GAUGE CHECK not provided |
| ISR-L00-01-0079 | EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "EC_GAUGE_CHECKED" +CheckInspectionCode | If at least one mesh size has been measured (i.e. there is at least one occurrence of Gear_Characteristic where TypeCode="ME"), CheckInspectionCode cannot be NOT_APPLICABLE | WAR | EC GAUGE CHECK check value cannot be NOT_APPLICABLE. when a net mesh size has been measured |

See also Common Business Rules (Section 8.4.7).

8.5.7. Section 7 CATCH / PRODUCT

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---|--|--|-------------|--|
| ISR-L00-01-0080 | CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode | Must be present. | WAR | CATCH ON BOARD CHECK not provided |
| ISR-L00-01-0081 | MARGIN OF TOLERANCE PER SPECIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "MARGIN_TOL_SPECIES_CHECK" +CheckInspectionCode | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | MARGIN OF TOLERANCE PER SPECIES CHECK not provided |
| ISR-L00-01-0082 | SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "SEP_REG_UNDERSIZED_CHECK" +CheckInspectionCode | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK not provided |
| ISR-L00-01-0083 | SEPARATE STOWAGE FOR UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "SEP_STOW_UNDERSIZED_CHECK" +CheckInspectionCode | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | SEPARATE STOWAGE FOR UNDERSIZED FISH CHECK not provided |
| ISR-L00-01-0084 | SEPARATE STOWAGE FOR DEMERSAL STOCKS UNDER MULTI-ANNUAL PLANS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "SEP_STOW_DEMERSAL_CHECK" +CheckInspectionCode | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | SEPARATE STOWAGE FOR DEMERSAL STOCKS UNDER MULTI-ANNUAL PLANS CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-------------------------|--|--|-------------|--|
| ISR-L00-01-0085 | CATCH RETAINED ON BOARD | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes"; There must be at least 1 entry | WAR | CATCH RETAINED ON BOARD not provided |
| ISR-L00-01-0086 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-01-0061 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-01-0062 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-01-0087 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-01-0063 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-01-0064 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| | | | | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-01-0065 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-01-0066 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-01-0089 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode listID="FISH_PRESENTATION" | Must be present. | WAR | FISH PRESENTATION not provided |
| ISR-L01-01-0068 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode listID="FISH_PRESENTATION" | TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-01-0090 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode listID="FISH_PRESERVATION" | Must be present. | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-01-0070 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode listID="FISH_PRESERVATION" | TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------------|---|---|-------------|---|
| ISR-L00-01-0091 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +FLUX_Location /TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-01-0092 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-01-0074 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-01-0075 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-01-0093 | DISCARD RECORDS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DISCARD_RECORDS_CHECKED" +CheckInspectionCode | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | DISCARD RECORDS CHECK not provided |
| ISR-L00-01-0094 | DISCARD RECORDS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DISCARD_RECORDS_CHECKED" / ValueIndicator / IndicatorString="Y"; There must be at least 1 entry | WAR | DISCARD RECORDS CHECKED but no discard records provided |
| ISR-L00-01-0095 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-01-0076 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-01-0077 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-01-0096 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT or NUMBER OF FISHES not provided |
| ISR-L01-01-0078 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-01-0079 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-01-0105 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" + UnitQuantity | Unit Quantity must be a number | WAR | NUMBER OF FISHES not a number |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------|--|--------------------------|-------------|--------------------------------|
| ISR-L01-01-0106 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="DISCARDED" + UnitQuantity | UnitQuantity must be > 0 | WAR | NUMBER OF FISHES is <= to zero |

8.5.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.5.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8.

8.5.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-------------------------------|---|--|-------------|--|
| ISR-L00-01-0097 | ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator | Must be present. | WAR | ACTIONS TAKEN not provided |
| ISR-L00-01-0098 | ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator / IndicatorString="Y" | WAR | ACTIONS TAKEN DETAILS not provided |
| ISR-L00-01-0099 | INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Must be present. | WAR | INSPECTOR IN CHARGE SIGNATURE not provided |
| ISR-L00-01-0100 | MASTER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "MASTER_SIGNATURE" +ValueIndicator | Must be present. | WAR | MASTER SIGNATURE not provided |

8.6. Rules for Inspection during transshipment (Module 2)

All these business rules apply to any IS_ Report where *IS_ Report / TypeCode= "TRANSHIPMENT"*.

8.6.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|--|--|-------------|--|
| ISR-L00-02-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-02-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-02-0002 | INSPECTION REPORT REFERENCE | IS_ Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3) | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-02-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-02-0002 | REPORT DATE | IS_ Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-02-0003 | REPORT DATE | IS_ Report / Reference.DateTime | IS_ Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-02-0004 | REPORT CONTEXT | IS_ Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-02-0006 | REPORT CONTEXT | IS_ Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-02-0007 | REPORT CONTEXT | IS_ Report / ContextTypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The report context is not valid |
| ISR-L00-02-0005 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-02-0008 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-02-0009 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | ID must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-02-0006 | CONTROL AUTHORITY | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Control authority is not provided |
| ISR-L01-02-0110 | CONTROL AUTHORITY | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must not be empty | WAR | The Control authority must not be empty |
| ISR-L00-02-0007 | DATE/TIME OF THE INSPECTION - START | IS_ Report / IS_ Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_ Report / IS_ Event / OccurrenceDelimitedPeriod / Start.DateTime must be present | ERR | The DateTime of the start of the inspection is not provided. |
| ISR-L01-02-0010 | DATE/TIME OF THE INSPECTION - START | IS_ Report / IS_ Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_ Report / IS_ Event / OccurrenceDelimitedPeriod / Start.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The DateTime of the start of the inspection format is not valid. |
| ISR-L00-02-0008 | DATE/TIME OF THE INSPECTION - FINISH | IS_ Report / IS_ Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / End.DateTime | IS_ Report / IS_ Event / OccurrenceDelimitedPeriod / End.DateTime must be present | WAR | The DateTime of the end of the inspection is not provided. |
| ISR-L01-02-0011 | DATE/TIME OF THE INSPECTION - FINISH | IS_ Report / IS_ Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / End.DateTime | IS_ Report / IS_ Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of the end of the inspection format is not valid. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|--|--|-------------|--|
| ISR-L02-02-0001 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode= "INSPECTION" +OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of the end of the inspection is before the DateTime of the start. |
| ISR-L00-02-0009 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | Must be present | WAR | The related report identification is not provided |
| ISR-L01-02-0012 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | value must follow schemeID="EU_ISR_ID" | WAR | The related report identification format is not valid. |
| ISR-L03-02-0002 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | Must refer to an existing ISR | WAR | The related report does not exist |
| ISR-L03-02-0003 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | Related. ISR must respect IS_Report / TypeCode="TRANSHIPMENT" | WAR | The related report is not a Transhipment report |
| ISR-L03-02-0004 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | If IS_report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" then Related. ISR must respect RoleCode="INSPECTED_RECEIVING_VESSEL" | WAR | The related report is not about a receiving vessel |
| ISR-L03-02-0005 | RELATED INSPECTION REPORT REFERENCE | IS_Report / ISRItemCharacteristic / TypeCode="RELATED_TRX_INSPECTION_REPORT" +Value (text) | If IS_report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" then Related. ISR must respect RoleCode="INSPECTED_DONOR_VESSEL" | WAR | The related report is not about a donor vessel |

8.6.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|---|-------------|--|
| ISR-L00-02-0010 | PATROL VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" | Must be present | ERR | The patrol vessel is not provided |
| ISR-L00-02-0011 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Must be present | ERR | The Patrol Vessel's Flag State is not provided. |
| ISR-L01-02-0013 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-02-0014 | FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | ERR | The Patrol Vessel's Flag State value is not valid. |
| ISR-L00-02-0012 | NAME | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Name | Must be present | WAR | The patrol vessel name is not provided |
| ISR-L01-02-0015 | EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | Check attribute schemeID. Must be EXT_MARK, IRCS or UVI | ERR | Invalid schemeID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L00-02-0013 | EXTERNAL REGISTRATION NUMBER/PENNANT NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | There must be at least one EXT_MARK, IRCS or UVI | ERR | At least one of the IRCS, External Markings or UVI must be provided |
| ISR-L00-02-0014 | PATROL VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position event | Must be present | WAR | The position of the patrol vessel is not provided |
| ISR-L00-02-0015 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position_Event / Specified. Vessel_Geographical Coordinate / | Must be present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-02-0017 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position_Event / ObtainedOccurrenceDateTime | Must be present | WAR | DateTime of patrol vessel position not provided |
| ISR-L01-02-0020 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position_Event / ObtainedOccurrenceDateTime | must be a UTC date time according to ISO 8601 format | WAR | DateTime of patrol vessel position not in a valid format |
| ISR-L02-02-0002 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position_Event / ObtainedOccurrenceDateTime | Must be the same as Start of inspection date/time | WAR | DateTime of patrol vessel position not the same as Start of Inspection |
| ISR-L00-02-0018 | LOCATION OF THE PATROL VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +FLUX_Location /TypeCode="AREA" /ID | Must be present | WAR | Location of patrol vessel not provided |
| ISR-L00-02-0019 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" must be present. | WAR | Inspector in charge not provided |
| ISR-L00-02-0020 | NAME or ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID must be present | WAR | Inspector in charge name or ID not provided |
| ISR-L00-02-0110 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Given Name Must be present | WAR | Inspector in charge Given Name must be present |
| ISR-L01-02-0111 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspector in charge Given Name must not be empty |
| ISR-L00-02-0111 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Given Name Must be present, Family name must be present | WAR | Inspector in charge Family Name must be present |
| ISR-L01-02-0112 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspector in charge Family Name must not be empty |
| ISR-L01-02-0130 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|------------------|---|---|-------------|--|
| ISR-L01-02-0131 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-02-0021 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country | Must be present if IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present. | WAR | Inspector in charge nationality not provided |
| ISR-L01-02-0023 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0024 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Inspector in charge nationality value not valid |
| ISR-L00-02-0022 | SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" must be present | WAR | Second inspector not provided |
| ISR-L00-02-0023 | NAME or ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID | If IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " +ID must be present | WAR | Second inspector name or ID not provided |
| ISR-L00-02-0112 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " / Contact_Person is present, Given Name Must be present | WAR | Second inspector Given Name must be present |
| ISR-L01-02-0113 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Second inspector Given Name must not be empty |
| ISR-L00-02-0113 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR " / Contact_Person is present, Family name must be present | WAR | Second inspector Family Name must be present |
| ISR-L01-02-0114 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Second inspector Family Name must not be empty |
| ISR-L01-02-0132 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-02-0133 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-02-0024 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Must be present if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present. | WAR | Second inspector nationality not provided |
| ISR-L01-02-0025 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0026 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Second inspector nationality value not valid |
| ISR-L00-02-0025 | NAME or ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | If IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present IS_Report / ContactParty / Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID must be present | WAR | Other inspector name or ID not provided |
| ISR-L00-02-0114 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode="OTHER_INSPECTOR" / Contact_Person is present, Given Name Must be present | WAR | Other inspector Given Name must be present |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|---|-------------|--|
| ISR-L01-02-0115 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Other inspector Given Name must not be empty |
| ISR-L00-02-0115 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Other inspector Family Name must be present |
| ISR-L01-02-0116 | NAME | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Other inspector Family Name must not be empty |
| ISR-L00-02-0026 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" is present. | WAR | Other inspector nationality not provided |
| ISR-L01-02-0134 | ID | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-02-0135 | ID | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L01-02-0027 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0028 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Other inspector nationality value not valid |

8.6.3. Section 3 PRE-INSPECTION

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| ISR-L00-02-0027 | TRANSHIPMENT AUTHORISATION DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "TRX_AUTH_DETAILS_CHECK" +CheckInspectionCode | Must be provided | WAR | TRANSHIPMENT AUTHORISATION DETAILS CHECK not provided |
| ISR-L01-02-0029 | TRANSHIPMENT AUTHORISATION DETAILS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "TRX_AUTH_DETAILS_CHECK" +CheckInspectionCode +Value (text) | if CheckInspectionCode="Yes" and ValueIndicator / IndicatorString="Y", Value (text) must be non empty | WAR | TRANSHIPMENT AUTHORISATION checked and valid, but no details provided |
| ISR-L01-02-0030 | VMS PRE-BOARDING CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_PRE-BOARDING_CHECKED" +CheckInspectionCode +Value (text) | if vessel flag not in EU, Value (text) must be non empty | WAR | VMS PRE-BOARDING CHECKED Value (text) must not be empty for non-EU vessels |

8.6.4. Section 4 INSPECTED VESSEL

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|--------------------------------------|
| ISR-L01-02-0031 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION"/ ID in schemeID="LOCATION", value=UN/LOCODE | WAR | ID of port of transhipment not valid |
| ISR-L00-02-0028 | DESIGNATED? | IS_Report/ ISRIItemCharacteristic /TypeCode="DESIGNATED_PORT" +Indicator | Must be present if IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_ | WAR | DESIGNATED PORT status not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| | | | Location / TypeCode ="LOCATION" +Identifier is present | | |
| ISR-L00-02-0029 | INSPECTED VESSEL | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" | IS_report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" must be present | ERR | INSPECTED VESSEL not provided |
| ISR-L00-02-0030 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Name | Must be present. | WAR | The Inspected vessel name is not provided |
| ISR-L00-02-0031 | FLAG | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Registration Vessel_Country | Must be present. | ERR | The Inspected Vessel's Flag State is not provided. |
| ISR-L01-02-0033 | FLAG | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-02-0034 | FLAG | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | ERR | The Inspected Vessel's Flag State value is not valid. |
| ISR-L00-02-0032 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +TypeCode | Must be present. | WAR | The Inspected vessel type is not provided |
| ISR-L01-02-0035 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +TypeCode | Check attribute listID. Must be VESSEL_TYPE | WAR | Invalid listID provided |
| ISR-L01-02-0036 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +TypeCode | TypeCode must be in listID="VESSEL_TYPE" | WAR | The Inspected vessel type is not valid |
| ISR-L01-02-0037 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | ERR | Invalid schemeID provided |
| ISR-L00-02-0033 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | There must be at least one EXT_MARK, IRCS UVI or CFR | ERR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L02-02-0010 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-02-0011 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------------|---|--|-------------|--|
| ISR-L02-02-0003 | INSPECTED VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Vessel Position_ Event | Must be present. Can be same as Patrol Vessel | WAR | Inspected vessel position not provided |
| ISR-L00-02-0034 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / | Must be present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-02-0036 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be present | WAR | DateTime of inspected vessel position not provided |
| ISR-L01-02-0042 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be an UTC date time according to ISO 8601 format) | WAR | DateTime of inspected vessel position not in a valid format |
| ISR-L02-02-0004 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be the same DateTime value as that of the Start of the Inspection | WAR | DateTime of the position is different from DateTime of start of the inspection |
| ISR-L00-02-0038 | VMS OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_OPERATIONAL" +CheckInspectionCode | Must be present. | WAR | VMS OPERATIONAL check not provided |
| ISR-L00-02-0039 | VMS OPERATIONAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_OPERATIONAL" +CheckInspectionCode +Value (text) | if Vessel_ Country not in EU, Value (text) must be present | WAR | VMS OPERATIONAL Value (text) must be provided for non-EU vessels |
| ISR-L00-02-0040 | LAST PORT OF CALL | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" | Must be present. | WAR | LAST PORT OF CALL not provided |
| ISR-L00-02-0041 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_ Location / TypeCode ="LOCATION"/ ID | Must be present. | WAR | ID of LAST PORT OF CALL not provided |
| ISR-L01-02-0045 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_ Location / TypeCode ="LOCATION"/ ID | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-02-0046 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_ Location / TypeCode ="LOCATION"/ ID | ID must be in schemeID="LOCATION" | WAR | ID of LAST PORT OF CALL not valid |
| ISR-L00-02-0042 | DATE | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +ValueDateTime | Must be present | WAR | Date of last call in port not provided |
| ISR-L01-02-0047 | DATE | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +ValueDateTime | Must be in a valid Date format | WAR | Date of last call in port not in a valid format |
| ISR-L00-02-0043 | OWNER | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ | Must be present. | WAR | Inspected vessel owner not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------|--|--|-------------|---|
| | | INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" | | | |
| ISR-L00-02-0044 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="OWNER" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel owner name not provided |
| ISR-L00-02-0116 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | Given Name Must be present | WAR | Given Name must be present |
| ISR-L01-02-0117 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Given Name must not be empty |
| ISR-L00-02-0117 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL /INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Contact_Person /Family Name | Family name must be present | WAR | Family Name must be present |
| ISR-L01-02-0118 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Contact_Person /Family Name | Family name must not be empty | WAR | Family Name must not be empty |
| ISR-L00-02-0045 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner nationality not provided |
| ISR-L01-02-0048 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/ INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0049 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel owner nationality not valid |
| ISR-L00-02-0046 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="OWNER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner address not provided |
| ISR-L00-02-0047 | CHARTERER | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" | Must be present. | WAR | Inspected vessel charterer not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------|--|--|-------------|--|
| ISR-L00-02-0048 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="CHARTERER" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel charterer name not provided |
| ISR-L00-02-0118 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Given Name | Given Name Must be present | WAR | Inspected vessel charterer Given Name must be present |
| ISR-L01-02-0119 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Given Name | Given Name Must not be empty | WAR | Inspected vessel charterer Given Name must not be empty |
| ISR-L00-02-0119 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Family Name | Family name must be present | WAR | Inspected vessel charterer Family Name must be present |
| ISR-L01-02-0120 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Contact_Person / Family Name | Family name must not be empty | WAR | Inspected vessel charterer Family Name must not be empty |
| ISR-L00-02-0049 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer nationality not provided |
| ISR-L01-02-0051 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0052 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel charterer nationality not valid |
| ISR-L00-02-0050 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="CHARTERER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer address not provided |
| ISR-L00-02-0051 | AGENT | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" | Must be present. | WAR | Inspected vessel agent not provided |
| ISR-L00-02-0052 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="AGENT" is present | WAR | Inspected vessel agent name not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|---|---|-------------|--|
| | | ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" | ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | | |
| ISR-L00-02-0120 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Contact_Person /Given Name | Given Name Must be present | WAR | Inspected vessel agent Given Name must be present |
| ISR-L01-02-0121 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspected vessel agent Given Name must not be empty |
| ISR-L00-02-0121 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Contact_Person /Family Name | Family name must be present | WAR | Inspected vessel agent Family Name must be present |
| ISR-L01-02-0122 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspected vessel agent Family Name must not be empty |
| ISR-L00-02-0053 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent nationality not provided |
| ISR-L01-02-0054 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0055 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-02-0054 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="AGENT" +Structured_Address | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent address not provided |
| ISR-L00-02-0055 | MASTER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty / RoleCode="MASTER" | Must be present. | ERR | Inspected vessel master not provided |
| ISR-L00-02-0056 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSP ECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Contact_Person / | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="MASTER" is present IS_Report / ContactParty / Contact_Person must be present | ERR | Inspected vessel master name not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|---|-------------|---|
| ISR-L00-02-0122 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Contact_Person /Given Name | Given Name Must be present | ERR | Inspected vessel master Given Name must be present |
| ISR-L01-02-0123 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Contact_Person /Given Name | Given Name Must not be empty | ERR | Inspected vessel master Given Name must not be empty |
| ISR-L00-02-0123 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Contact_Person /Family Name | Family name must be present | ERR | Inspected vessel master Family Name must be present |
| ISR-L01-02-0124 | NAME | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Contact_Person / | Family name must not be empty | ERR | Inspected vessel master Family Name must not be empty |
| ISR-L00-02-0057 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Nationality_Country | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master nationality not provided |
| ISR-L01-02-0057 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-02-0058 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-02-0058 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +ContactParty /RoleCode="MASTER"+Structured_Address | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master address not provided |

8.6.5. Section 5 DOCUMENTS & AUTHORISATIONS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|----------------------------------|---|---|-------------|---|
| ISR-L00-02-0059 | DOCUMENTS CHECK | IS_Report / ISRItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | Documents check not provided |
| ISR-L00-02-0060 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | CERTIFICATE OF REGISTRY ID CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|------------------------------------|--|---|-------------|---|
| ISR-L00-02-0061 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | CERTIFICATE OF REGISTRY ID CHECK Value (text) must be provided for non EU vessels |
| ISR-L00-02-0062 | FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING LICENCE CHECK not provided |
| ISR-L00-02-0063 | FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | FISHING LICENCE DETAILS must be provided for non-EU vessels |
| ISR-L00-02-0064 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING AUTHORISATION CHECK not provided |
| ISR-L00-02-0126 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = « FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | ValueIndicator must be present if CheckInspectionCode="Yes" | WAR | Fishing autorisation checked but the result (ValueIndicator) is not provided |
| ISR-L00-02-0065 | FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | FISHING AUTHORISATION DETAILS must be provided for non-EU vessels |
| ISR-L00-02-0066 | PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PAPER FISHING LOGBOOK CHECK not provided |
| ISR-L00-02-0067 | NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode = "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | NUMBER OF PAPER FISHING LOG SHEET not provided |
| ISR-L00-02-0068 | FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "FIRST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | FIRST LOG SHEET NUMBER not provided |
| ISR-L00-02-0069 | LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "LAST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | LAST LOG SHEET NUMBER not provided |
| ISR-L00-02-0070 | ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "E_FISHING_LOGBOOK_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | ELECTRONIC FISHING LOGBOOK CHECK not provided |
| ISR-L00-02-0072 | PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PRIOR NOTIFICATION REFERENCE CHECK not provided |
| ISR-L01-02-0060 | PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode = "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Check attribute listID. Must be FA_REASON_ARRIVAL | WAR | Invalid listID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|--|---|-------------|--|
| ISR-L00-02-0073 | PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode = "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" /CheckInspectionCode="Yes"; ValueCode must be in listID="FA_REASON_ARRIVAL" | WAR | PURPOSE OF PRIOR NOTIFICATION not provided |

8.6.6. Section 6 GEAR

None

8.6.7. Section 7 CATCH / PRODUCT

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|------------------------------------|---|---|-------------|--|
| ISR-L00-02-0074 | CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode | Must be present. | WAR | CATCH ON BOARD CHECK not provided |
| ISR-L00-02-0125 | CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode +ValueIndicator | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" | WAR | CATCH ON BOARD checked but ValueIndicator not provided |
| ISR-L00-02-0075 | CATCH ON BOARD BEFORE TRANSHIPMENT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_CHECKED" +CheckInspectionCode="Yes" +ValueIndicator / IndicatorString="Y" There must be at least 1 entry | WAR | CATCH RETAINED ON BOARD not provided |
| ISR-L00-02-0076 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Must be present if FA_Catch / TypeCode="ONBOARD" is present | WAR | SPECIES not provided |
| ISR-L01-02-0061 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-02-0062 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-02-0077 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure or UnitQuantity must be present if FA_Catch / TypeCode="ONBOARD" is present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-02-0063 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| ISR-L01-02-0064 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| | | | | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-02-0065 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-02-0066 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-02-0079 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION" if FA_Catch / TypeCode="ONBOARD" is present. | WAR | FISH PRESENTATION not provided |
| ISR-L01-02-0067 | FISH PRESENTATION FISH PRESERVATION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-02-0068 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-02-0080 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" if FA_Catch / TypeCode="ONBOARD" is present | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-02-0070 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-02-0081 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / TypeCode="ONBOARD" +FLUX_Location /TypeCode="AREA" +ID | Must be present if FA_Catch / TypeCode="ONBOARD" is present | WAR | CATCH AREA not provided |
| ISR-L00-02-0082 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="[INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL]" +FA_Catch / | Must be present if FA_Catch / TypeCode="ONBOARD" is present | WAR | UNDERSIZE FISH not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------|--|--|-------------|---|
| | | TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | | | |
| ISR-L01-02-0073 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-02-0074 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL/INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-02-0083 | CATCH TRANSHIPPED | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / Type = "UNLOADED" | Must be present | WAR | CATCH TRANSHIPPED not provided |
| ISR-L02-02-0005 | CATCH TRANSHIPPED | FA_Catch / Type = "UNLOADED" | Present only if IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" | WAR | CATCH TRANSHIPPED provided but inspected vessel is a receiving vessel |
| ISR-L00-02-0084 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-02-0075 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-02-0076 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-02-0085 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-02-0077 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-02-0078 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| | | | | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-02-0079 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-02-0080 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L00-02-0087 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-02-0081 | FISH PRESENTATION FISH PRESERVATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-02-0082 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-02-0124 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | Invalid listID provided |
| ISR-L01-02-0084 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-02-0089 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +FLUX_Location / TypeCode="AREA" +/ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-02-0090 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +Specified. Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-02-0087 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-02-0088 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / TypeCode="UNLOADED" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-02-0091 | CATCH RECEIVED | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_Catch / Type = "LOADED" | Must be present | WAR | CATCH RECEIVED not provided |
| ISR-L02-02-0006 | CATCH RECEIVED | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_DONOR_VESSEL" +FA_Catch / Type = "LOADED" | Present only if IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" | WAR | CATCH RECEIVED provided but inspected vessel is a donor vessel |
| ISR-L00-02-0092 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_Catch / TypeCode="LOADED" +SpeciesCode | Must be present. | WAR | SPECIES not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L01-02-0089 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-02-0090 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-02-0093 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-02-0091 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-02-0092 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-02-0093 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-02-0094 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-02-0095 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not provided |
| ISR-L01-02-0095 | FISH PRESENTATION FISH PRESERVATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-02-0096 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-02-0096 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-02-0098 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-02-0097 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_ Catch / TypeCode="LOADED" +FLUX_Location /TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|----------------|--|---|-------------|-------------------------------|
| ISR-L00-02-0098 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_Catch / TypeCode="LOADED" +Specified. Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-02-0101 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_Catch / TypeCode="LOADED" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-02-0102 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_RECEIVING_VESSEL" +FA_Catch / TypeCode="LOADED" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |

8.6.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.6.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8.

8.6.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|---|--|-------------|--|
| ISR-L00-02-0099 | ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator | Must be present. | WAR | ACTIONS TAKEN not provided |
| ISR-L00-02-0100 | ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator / IndicatorString="Y" | WAR | ACTIONS TAKEN DETAILS not provided |
| ISR-L00-02-0101 | INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Must be present. | WAR | INSPECTOR IN CHARGE SIGNATURE not provided |
| ISR-L00-02-0102 | MASTER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "MASTER_SIGNATURE" +ValueIndicator | Must be present. | WAR | MASTER SIGNATURE not provided |

8.7. Rules for Inspection in port (Module 3)

All these business rules apply to any IS_Report where *IS_Report / TypeCode= "IN_PORT"*.

8.7.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|---|--|-------------|--|
| ISR-L00-03-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-03-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-03-0002 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3) | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-03-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-03-0002 | REPORT DATE | IS_Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-03-0003 | REPORT DATE | IS_Report / Reference.DateTime | IS_Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-03-0004 | REPORT CONTEXT | IS_Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-03-0006 | REPORT CONTEXT | IS_Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-03-0007 | REPORT CONTEXT | IS_Report / ContextTypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The inspection context is not valid |
| ISR-L00-03-0005 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-03-0008 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-03-0009 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | value must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-03-0006 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Control authority is not provided |
| ISR-L01-03-0100 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be non empty | WAR | The Control authority must not be empty |
| ISR-L00-03-0007 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime must be present | ERR | The DateTime of the start of the inspection is not provided. |
| ISR-L01-03-0010 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The DateTime of the start of the inspection format is not valid. |
| ISR-L00-03-0008 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime must be present | WAR | The DateTime of the end of the inspection is not provided. |
| ISR-L01-03-0011 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of the end of the inspection format is not valid. |
| ISR-L02-03-0001 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of the end of the inspection is before the DateTime of the start. |

8.7.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------|---|--|-------------|---|
| ISR-L00-03-0009 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Must be present. | WAR | Inspector in charge not provided |
| ISR-L00-03-0010 | NAME or ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person or IS_Report / ContactParty / RoleCode =" INSPECTOR_IN_CHARGE " +ID | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID must be present. | WAR | Inspector in charge name or ID not provided |
| ISR-L00-03-0117 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Given Name Must be present | WAR | Inspector in charge Given Name must be present |
| ISR-L01-03-0116 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspector in charge Given Name must not be empty |
| ISR-L00-03-0118 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Family name must be present | WAR | Inspector in charge Family Name must be present |
| ISR-L01-03-0117 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspector in charge Family Name must not be empty |
| ISR-L01-03-0120 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-03-0121 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-03-0011 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Must be present if IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present. | WAR | Inspector in charge Inspector in charge nationality not provided |
| ISR-L01-03-0012 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0013 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspector in charge nationality value not valid |
| ISR-L00-03-0012 | SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" must be present | WAR | Second inspector not provided |
| ISR-L00-03-0013 | NAME or ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person or IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID must be present. | WAR | Second inspector name or ID not provided |
| ISR-L00-03-0120 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_Person is present, Given Name Must be present | WAR | Second inspector Given Name must be present |
| ISR-L01-03-0101 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Second inspector Given Name must not be empty |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|---|-------------|---|
| ISR-L00-03-0121 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Second inspector Family Name must be present |
| ISR-L01-03-0102 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Second inspector Family Name must not be empty |
| ISR-L01-03-0122 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-03-0123 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-03-0014 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present. | WAR | Second inspector nationality not provided |
| ISR-L01-03-0014 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0015 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Second inspector nationality value not valid |
| ISR-L00-03-0015 | NAME or ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person or IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | if IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID must be present | WAR | Other inspector name or ID not provided |
| ISR-L00-03-0122 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_Person is present, Given Name Must be present | WAR | Given Name must be present |
| ISR-L01-03-0103 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Other inspector Given Name must not be empty |
| ISR-L00-03-0214 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Other inspector Family Name must be present |
| ISR-L01-03-0104 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Other inspector Family Name must not be empty |
| ISR-L01-03-0124 | ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-03-0125 | ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-03-0016 | NATIONALITY | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present. | WAR | Other inspector nationality not provided |
| ISR-L01-03-0016 | NATIONALITY | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0017 | NATIONALITY | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Other inspector nationality value not valid |

8.7.3. Section 3 PRE-INSPECTION

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|--|--|-------------|---|
| ISR-L00-03-0017 | VMS PRE-ARRIVAL TO LAND CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_PRE-ARRIVAL_CHECK" +CheckInspectionCode | Must be present. | WAR | VMS PRE-ARRIVAL TO LAND check not provided |
| ISR-L00-03-0018 | VMS PRE-ARRIVAL TO LAND CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "VMS_PRE-ARRIVAL_CHECK" +CheckInspectionCode +Value (text) | if Vessel_Country not in EU, Value (text) must be present | WAR | VMS PRE-ARRIVAL TO LAND Value (text) must be provided for non-EU vessels |
| ISR-L00-03-0019 | VESSEL FISHING LOGBOOK COMPLETED BEFORE ARRIVAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | VESSEL FISHING LOGBOOK COMPLETED BEFORE ARRIVAL CHECK not provided |
| ISR-L00-03-0020 | VESSEL FISHING LOGBOOK COMPLETED BEFORE ARRIVAL CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LOGBOOK_BEFORE_INSPECT_CHECK" +CheckInspectionCode +ValueIndicator +Value (text) | ValueIndicator must be present if CheckInspectionCode="Yes" | WAR | VESSEL FISHING LOGBOOK COMPLETED BEFORE ARRIVAL CHECKED but ValueIndicator not provided |
| ISR-L00-03-0021 | STATUS IN RFMO AREA(S) WHERE FISHING OR RELATED-FISHING ACTIVITIES HAVE BEEN TAKING PLACE INCLUDING IN ANY IUU FISHING VESSEL LISTING | IS_Report / Inspected Vessel_Status / RegimeManagementCode | If Inspected Vessel_Status is present, RegimeManagementCode (RFMO) must be present | WAR | STATUS IN RFMO AREA provided but no RFMO (RegimeManagementCode) provided. |
| ISR-L01-03-0018 | STATUS IN RFMO AREA(S) WHERE FISHING OR RELATED-FISHING ACTIVITIES HAVE BEEN TAKING PLACE INCLUDING IN ANY IUU FISHING VESSEL LISTING | IS_Report / Inspected Vessel_Status / RegimeManagementCode | Check attribute listID. Must be RFMO | WAR | Invalid listID provided |
| ISR-L00-03-0022 | STATUS IN RFMO AREA(S) WHERE FISHING OR RELATED-FISHING ACTIVITIES HAVE BEEN TAKING PLACE INCLUDING IN ANY IUU FISHING VESSEL LISTING | IS_Report / Inspected Vessel_Status / RegimeManagementCode | If present, RegimeManagementCode must be in listID="RFMO" | WAR | STATUS IN RFMO AREA ValueCode not valid |
| ISR-L02-03-0002 | STATUS IN RFMO AREA(S) WHERE FISHING OR RELATED-FISHING ACTIVITIES HAVE BEEN TAKING PLACE INCLUDING IN ANY IUU FISHING VESSEL LISTING | IS_Report / Inspected Vessel_Status / RegimeManagementCode | there must be only 1 occurrence of each RegimeManagementCode value | WAR | Multiple occurrences of the same RFMO |
| ISR-L00-03-0023 | VESSEL ON AUTHORISED LIST | IS_Report / Inspected Vessel_Status / ISRIItemCharacteristic / TypeCode = "VESSEL_ON_RFMO_AUTHORISED_LIST" +ValueIndicator | Must be present if STATUS IN RFMO is present | WAR | VESSEL ON AUTHORISED LIST not provided |
| ISR-L00-03-0024 | VESSEL ON IUU LIST | IS_Report / Inspected Vessel_Status / ISRIItemCharacteristic / TypeCode = "VESSEL_ON_RFMO_IUU_LIST" +ValueIndicator | Must be present if STATUS IN RFMO is present | WAR | VESSEL ON IUU LIST not provided |

8.7.4. Section 4 INSPECTED VESSEL

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|------------------|--|--|-------------|-------------------------------|
| ISR-L00-03-0025 | INSPECTED VESSEL | IS_report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" | IS_report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" must be present | ERR | INSPECTED VESSEL not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| ISR-L01-03-0019 | INSPECTED VESSEL | IS_Report / VesselTransportMeans / RoleCode | IS_Report / VesselTransportMeans / RoleCode must be in listID="ISR_VESSEL_ROLE" | ERR | INSPECTED VESSEL RoleCode not in listID="ISR_VESSEL_ROLE" |
| ISR-L00-03-0026 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Name | Must be present. | WAR | The Inspected vessel name is not provided |
| ISR-L00-03-0027 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | Must be present. | ERR | The Inspected Vessel's Flag State is not provided. |
| ISR-L01-03-0020 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-03-0021 | FLAG | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | ERR | The Inspected Vessel's Flag State value is not valid. |
| ISR-L00-03-0028 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | Must be present. | WAR | The Inspected vessel type is not provided |
| ISR-L01-03-0022 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | Check attribute listID. Must be VESSEL_TYPE | WAR | Invalid listID provided |
| ISR-L01-03-0023 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +TypeCode | TypeCode must be in listID="VESSEL_TYPE" | WAR | The Inspected vessel type is not valid |
| ISR-L01-03-0024 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | ERR | Invalid schemeID provided |
| ISR-L00-03-0029 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | There must be at least one EXT_MARK, IRCS UVI or CFR | ERR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L02-03-0011 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-03-0012 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |
| ISR-L00-03-0213 | INSPECTED VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event | Must be present if PORT (of inspection) is not present. | WAR | Inspected vessel position not provided |
| ISR-L00-03-0030 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / Specified. Vessel_Geographical Coordinate / | Must be present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-03-0032 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTime | Must be present | WAR | DateTime of inspected vessel position not provided |
| ISR-L01-03-0029 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +Vessel Position_Event / ObtainedOccurrenceDateTime | Must be an UTC date time according to ISO 8601 format) | WAR | DateTime of inspected vessel position not in a valid format |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------|---|--|-------------|---|
| ISR-L00-03-0033 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | Must be present if INSPECTED VESSEL POSITION EVENT is not present | WAR | Inspected vessel position not provided and no port provided |
| ISR-L01-03-0030 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-03-0031 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | ID must be in schemeID="LOCATION" | WAR | ID of PORT OF INSPECTION not valid |
| ISR-L00-03-0034 | DESIGNATED? | IS_Report/ ISRIItemCharacteristic /TypeCode="DESIGNATED_PORT" +Indicator | Must be present if IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier is present | WAR | DESIGNATED PORT status not provided |
| ISR-L00-03-0035 | LAST PORT OF CALL | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" | Must be present. | WAR | LAST PORT OF CALL not provided |
| ISR-L00-03-0036 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Must be present. | WAR | ID of LAST PORT OF CALL not provided |
| ISR-L01-03-0032 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-03-0033 | PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +FLUX_Location / TypeCode ="LOCATION"/ ID | ID must be in schemeID="LOCATION" | WAR | ID of LAST PORT OF CALL not valid |
| ISR-L00-03-0037 | DATE | IS_Report/ ISRIItemCharacteristic /TypeCode="LAST_PORT_OF_CALL" +ValueDateTime | Must be present | WAR | Date of last call in port not provided |
| ISR-L00-03-0038 | OWNER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" | Must be present. | WAR | Inspected vessel owner not provided |
| ISR-L00-03-0039 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" / | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="OWNER" is present ContactParty / Contact_Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel owner name not provided |
| ISR-L00-03-0124 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | Given Name Must be present | WAR | Inspected vessel owner Given Name must be present |
| ISR-L01-03-0105 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspected vessel owner Given Name must not be empty |
| ISR-L00-03-0125 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / | Family name must be present | WAR | Inspected vessel owner Family Name must be present |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-----------------------|--|--|-------------|---|
| | | RoleCode="OWNER" +Contact_ Person /Family Name | | | |
| ISR-L01-03-0106 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Contact_ Person /Family Name | Family name must not be empty | WAR | Inspected vessel owner Family Name must not be empty |
| ISR-L00-03-0040 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_ Country | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner nationality not provided |
| ISR-L01-03-0035 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0036 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel owner nationality not valid |
| ISR-L00-03-0041 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="OWNER" +Structured_ Address | If IS_Report / ContactParty / RoleCode ="OWNER" is present, must be present. | WAR | Inspected vessel owner address not provided |
| ISR-L00-03-0042 | BENEFICIAL OWNER NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Contact_ Person / | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="BENEFICIAL_OWNER" is present IS_Report / VesselTransportMeans / ContactParty / RoleCode="BENEFICIAL_OWNER" ./ Contact_ Person must be present | WAR | Inspected vessel BENEFICIAL OWNER contact not provided |
| ISR-L00-03-0126 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Contact_ Person /Given Name | Given Name Must be present | WAR | Inspected vessel BENEFICIAL OWNER Given Name must be present |
| ISR-L01-03-0107 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Contact_ Person /Given Name | Given Name Must not be empty | WAR | Inspected vessel BENEFICIAL OWNER Given Name must not be empty |
| ISR-L00-03-0127 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Contact_ Person /Family Name | Family name must be present | WAR | Inspected vessel BENEFICIAL OWNER Family Name must be present |
| ISR-L01-03-0108 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Contact_ Person /Family Name | Family name must not be empty | WAR | Inspected vessel BENEFICIAL OWNER Family Name must not be empty |
| ISR-L00-03-0043 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Nationality_ Country | If IS_Report / ContactParty / RoleCode ="BENEFICIAL_OWNER" is present, must be present. | WAR | Inspected vessel BENEFICIAL OWNER nationality not provided |
| ISR-L01-03-0038 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|--|
| | | RoleCode="BENEFICIAL_OWNER" +Nationality_Country | | | |
| ISR-L01-03-0039 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel BENEFICIAL OWNER nationality not valid |
| ISR-L00-03-0044 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="BENEFICIAL_OWNER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="BENEFICIAL_OWNER" is present, must be present. | WAR | Inspected vessel BENEFICIAL OWNER address not provided |
| ISR-L00-03-0045 | CHARTERER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" | Must be present. | WAR | Inspected vessel charterer not provided |
| ISR-L00-03-0046 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="CHARTERER" is present ./ Contact_Person OR ./Name must be present and not empty | WAR | Inspected vessel charterer name not provided |
| ISR-L00-03-0128 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person /Given Name | Given Name Must be present | WAR | Inspected vessel charterer Given Name must be present |
| ISR-L01-03-0109 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspected vessel charterer Given Name must not be empty |
| ISR-L00-03-0129 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person /Family Name | Family name must be present | WAR | Inspected vessel charterer Family Name must be present |
| ISR-L01-03-0110 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspected vessel charterer Family Name must not be empty |
| ISR-L00-03-0047 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer nationality not provided |
| ISR-L01-03-0041 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0042 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel charterer nationality not valid |
| ISR-L00-03-0048 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="CHARTERER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="CHARTERER" is present, must be present. | WAR | Inspected vessel charterer address not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------|--|--|-------------|--|
| ISR-L00-03-0049 | AGENT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" | Must be present. | WAR | Inspected vessel agent not provided |
| ISR-L00-03-0050 | NAME OR LEGAL ENTITY NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="AGENT" is present ContactParty /Contact_ Person OR ContactParty /Name must be present and not empty | WAR | Inspected vessel agent name not provided |
| ISR-L00-03-0130 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_ Person / Given Name | Given Name Must be present | WAR | Inspected vessel agent Given Name must be present |
| ISR-L01-03-0111 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_ Person / Given Name | Given Name Must not be empty | WAR | Inspected vessel agent Given Name must not be empty |
| ISR-L00-03-0131 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_ Person / Family Name | Family name must be present | WAR | Inspected vessel agent Family Name must be present |
| ISR-L01-03-0112 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Contact_ Person / Family Name | Family name must not be empty | WAR | Inspected vessel agent Family Name must not be empty |
| ISR-L00-03-0051 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_ Country | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent nationality not provided |
| ISR-L01-03-0044 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0045 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-03-0052 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="AGENT" +Structured_ Address | If IS_Report / ContactParty / RoleCode ="AGENT" is present, must be present. | WAR | Inspected vessel agent address not provided |
| ISR-L00-03-0053 | MASTER | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty / RoleCode="MASTER" | Must be present. | ERR | Inspected vessel master not provided |
| ISR-L00-03-0054 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_ Person / | If IS_Report / VesselTransportMeans / ContactParty / RoleCode="MASTER" is present IS_Report / VesselTransportMeans / ContactParty / RoleCode="MASTER"/ Contact_ Person must be present | ERR | Inspected vessel master contact not provided |
| ISR-L00-03-0132 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty | Given Name Must be present | ERR | Inspected vessel master Given Name must be present |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|---|---|-------------|---|
| | | /RoleCode="MASTER"+Contact_Person /Given Name | | | |
| ISR-L01-03-0113 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Given Name | Given Name Must not be empty | ERR | Inspected vessel master Given Name must not be empty |
| ISR-L00-03-0133 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Family Name | Family name must be present | ERR | Inspected vessel master Family Name must be present |
| ISR-L01-03-0114 | NAME | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Contact_Person /Family Name | Family name must not be empty | ERR | Inspected vessel master Family Name must not be empty |
| ISR-L00-03-0055 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master nationality not provided |
| ISR-L01-03-0047 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0048 | NATIONALITY | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vessel agent nationality not valid |
| ISR-L00-03-0056 | ADDRESS | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +ContactParty /RoleCode="MASTER"+Structured_Address | If IS_Report / ContactParty / RoleCode ="MASTER" is present, must be present. | WAR | Inspected vessel master address not provided |

8.7.5. Section 5 DOCUMENTS & AUTHORISATIONS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|----------------------------------|--|--|-------------|---|
| ISR-L00-03-0057 | DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | Documents check not provided |
| ISR-L00-03-0058 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | CERTIFICATE OF REGISTRY ID CHECK not provided |
| ISR-L00-03-0059 | CERTIFICATE OF REGISTRY ID CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CERTIF_REGISTRY_CHECK" +CheckInspectionCode +Value (text) | if CheckInspectionCode="Yes" & Vessel_Country not in EU, Value (text) must be present | WAR | CERTIFICATE OF REGISTRY ID CHECK Value (text) must be provided for non EU vessels |
| ISR-L00-03-0060 | FISHING LICENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING LICENCE CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|---|--|-------------|--|
| ISR-L00-03-0061 | FISHING LICENCE DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_LICENCE_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_ Country not in EU, Value (text) must be present | WAR | FISHING LICENCE DETAILS must be provided for non-EU vessels |
| ISR-L00-03-0062 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | FISHING AUTHORISATION CHECK not provided |
| ISR-L00-03-0134 | FISHING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = « FISHING_AUTHORISATION_CHECKED" +CheckInspectionCode +ValueIndicator | ValueIndicator must be present if CheckInspectionCode="Yes" | WAR | FISHING AUTHORISATION CHECK present but result (ValueIndicator) not provided |
| ISR-L00-03-0063 | FISHING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHING_AUTHORISATION_CHECKED" +Value (text) | if CheckInspectionCode="Yes" & Vessel_ Country not in EU, Value (text) must be present | WAR | FISHING AUTHORISATION DETAILS must be provided for non-EU vessels |
| ISR-L00-03-0064 | PORT ACCESS AND LANDING AUTHORISATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PORT_LANDING_AUTH_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PORT ACCESS AND LANDING AUTHORISATION CHECK not provided |
| ISR-L00-03-0065 | PORT ACCESS AND LANDING AUTHORISATION DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "PORT_LANDING_AUTH_CHECK" +Value (text) | if CheckInspectionCode="Yes", Value (text) must be present | WAR | PORT ACCESS AND LANDING AUTHORISATION DETAILS must be provided |
| ISR-L00-03-0066 | PAPER FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PAPER FISHING LOGBOOK CHECK not provided |
| ISR-L00-03-0067 | NUMBER OF PAPER FISHING LOG SHEET | IS_Report / ISRIItemCharacteristic / TypeCode = "NB_OF_PAPER_FISHING_LOG_SHEET" +Value. Quantity | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | NUMBER OF PAPER FISHING LOG SHEET not provided |
| ISR-L00-03-0068 | FIRST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "FIRST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | FIRST LOG SHEET NUMBER not provided |
| ISR-L00-03-0069 | LAST LOG SHEET NUMBER | IS_Report / ISRIItemCharacteristic / TypeCode = "LAST_LOG_SHEET_NUMBER" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PAPER_FISHING_LOGBOOK_CHECKED" +CheckInspectionCode="Yes" | WAR | LAST LOG SHEET NUMBER not provided |
| ISR-L00-03-0070 | ELECTRONIC FISHING LOGBOOK CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "E_FISHING_LOGBOOK_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | ELECTRONIC FISHING LOGBOOK CHECK not provided |
| ISR-L00-03-0071 | PRIOR NOTIFICATION REFERENCE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | PRIOR NOTIFICATION REFERENCE CHECK not provided |
| ISR-L01-03-0050 | PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode = "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Check attribute listID. Must be FA_REASON_ARRIVAL | WAR | Invalid listID provided |
| ISR-L00-03-0072 | PURPOSE OF PRIOR NOTIFICATION | IS_Report / ISRIItemCharacteristic / TypeCode = "PURPOSE_OF_PRIOR_NOTIFICATION" +ValueCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "PRIOR_NOTIFICATION_REF_CHECK" /CheckInspectionCode="Yes" & ValueIndicator / IndicatorString="Y"; ValueCode must be in listID="FA_REASON_ARRIVAL" | WAR | PURPOSE OF PRIOR NOTIFICATION not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------------|--|---|-------------|--|
| ISR-L00-03-0073 | PRODUCER ORGANISATION REFERENCE | IS_Report / ISRIItemCharacteristic / TypeCode = "MEMBER_PRODUCER_ORGANISATION" / Value (text) | Must only be present if IS_Report / ISRIItemCharacteristic / TypeCode = "MEMBER_PRODUCER_ORGANISATION" / ValueIndicator / IndicatorString="Y"; Value (text) must not be empty | WAR | PRODUCER ORGANISATION REFERENCE must be provided if vessel is a member of a PO |
| ISR-L00-03-0074 | OTHER CATCH DOCUMENTATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "OTHER_CATCH_DOCUMENTATION" +CheckInspectionCode +Value (text) | if IS_Report / ISRIItemCharacteristic / TypeCode = "OTHER_CATCH_DOCUMENTATION"/CheckInspectionCode="Yes", Value (text) must be present | WAR | OTHER CATCH DOCUMENTATION checked but no details given |

8.7.6. Section 6 GEAR

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|----------------|---|--|-------------|---|
| ISR-L00-03-0075 | GEAR CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "GEAR_CHECKED" +CheckInspectionCode | Must be present. | WAR | GEAR CHECK not provided |
| ISR-L00-03-0076 | EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "EC_GAUGE_CHECKED" +CheckInspectionCode | Must be present if one mesh size has been measured (i.e. there is at least one occurrence of Gear_Characteristic where TypeCode="ME") | WAR | inspected net mesh size measured but EC GAUGE CHECK not provided |
| ISR-L01-03-0118 | EC GAUGE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "EC_GAUGE_CHECKED" +CheckInspectionCode | If at least one mesh size has been measured (i.e. there is at least one occurrence of Gear_Characteristic where TypeCode="ME"), CheckInspectionCode cannot be NOT_APPLICABLE | WAR | EC GAUGE CHECK check value cannot be NOT_APPLICABLE. When a net mesh size has been measured |

See also Common Business Rules (Section 8.4.7).

8.7.7. Section 7 CATCH / PRODUCT

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|------------------|-------------|---|
| ISR-L00-03-0078 | CATCH ON BOARD CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_ON_BOARD_CHECKED" + CheckInspectionCode | Must be present. | WAR | CATCH ON BOARD CHECK not provided |
| ISR-L00-03-0079 | CATCH OFFLOADED CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_OFFLOADED_CHECKED" + CheckInspectionCode | Must be present. | WAR | CATCH OFFLOADED CHECK not provided |
| ISR-L00-03-0080 | TRANSHIPMENT DETAILS FOR CATCHES RECEIVED FROM OTHER FISHING VESSELS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "TRX_CATCHES_OTH_VESSELS_CHECK" + CheckInspectionCode | Must be present. | WAR | TRANSHIPMENT DETAILS FOR CATCHES RECEIVED FROM OTHER FISHING VESSELS CHECK not provided |
| ISR-L00-03-0081 | SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "SEP_REG_UNDERSIZED_CHECK" +CheckInspectionCodeCheckInspectionCode | Must be present | WAR | SEPARATE REGISTRATION OF UNDERSIZED FISH CHECK not provided |
| ISR-L00-03-0082 | MARGIN OF TOLERANCE PER SPECIES CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "MARGIN_TOL_SPECIES_CHECK" +CheckInspectionCodeCheckInspectionCode | Must be present | WAR | MARGIN OF TOLERANCE PER SPECIES CHECK not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|---|---|-------------|--|
| ISR-L00-03-0083 | MINIMUM CONSERVATION REFERENCE SIZE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "MIN_REFERENCE_SIZE_CHECK" +CheckInspectionCodeCheckInspectionCode | Must be present. | WAR | MINIMUM CONSERVATION REFERENCE SIZE CHECK not provided |
| ISR-L00-03-0084 | CATCH ON BOARD | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "CATCH_ON_BOARD_CHECKED" +CheckInspectionCode="Yes"; There must be at least 1 entry | WAR | CATCH RETAINED ON BOARD not provided |
| ISR-L00-03-0085 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-03-0051 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | Check attribute listID . Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-03-0052 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-03-0086 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-03-0053 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-03-0054 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-03-0055 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-03-0056 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-03-0088 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-03-0058 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-03-0089 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION". | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-03-0060 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|------------------|---|--|-------------|--|
| | | TypeCode="ONBOARD" +AAP_ Process / TypeCode | | | |
| ISR-L00-03-0090 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +FLUX_Location /TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-03-0091 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-03-0063 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-03-0064 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="ONBOARD" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-03-0092 | CATCH OFFLOADED | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / Type = "UNLOADED" | Must be present only if IS_Report / ISItemCharacteristic / TypeCode = "CATCH_OFFLOADED_CHECKED" +CheckInspectionCode="Yes" | WAR | CATCH OFFLOADED not provided |
| ISR-L00-03-0093 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-03-0065 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | Check attribute listID. Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-03-0066 | SPECIES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-03-0094 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-03-0067 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-03-0068 | WEIGHT | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-03-0069 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-03-0070 | NUMBER OF FISHES | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|---|--|-------------|--|
| ISR-L00-03-0096 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-03-0071 | FISH PRESENTATION FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-03-0072 | FISH PRESENTATION | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-03-0097 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-03-0074 | FISH PRESERVATION FORM | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-03-0098 | CATCH AREA | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +FLUX_Location /TypeCode="AREA" +/ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-03-0099 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +Specified. Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-03-0077 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" +Specified. Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-03-0078 | UNDERSIZE FISH | IS_Report / VesselTransportMeans / RoleCode="INSPECTED_VESSEL" +FA_Catch / TypeCode="UNLOADED" + Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-03-0100 | CATCH RECEIVED FROM OTHER FISHING VESSELS | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "TRX_CATCHES_OTH_VESSELS_CHECK" +CheckInspectionCode="Yes" | WAR | CATCH RECEIVED FROM OTHER FISHING VESSELS not provided |
| ISR-L00-03-0101 | SPECIES | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-03-0079 | SPECIES | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +SpeciesCode | Check attribute listID . Must be FAQ_SPECIES | WAR | Invalid listID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L01-03-0080 | SPECIES | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-03-0102 | WEIGHT | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-03-0081 | WEIGHT | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-03-0082 | WEIGHT | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-03-0083 | NUMBER OF FISHES | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-03-0084 | NUMBER OF FISHES | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-03-0104 | FISH PRESENTATION | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not provided |
| ISR-L01-03-0085 | FISH PRESENTATION FISH PRESERVATION | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-03-0086 | FISH PRESENTATION | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-03-0105 | FISH PRESERVATION FORM | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-03-0088 | FISH PRESERVATION FORM | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-03-0106 | CATCH AREA | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +FLUX_Location /TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-03-0107 | UNDERSIZE FISH | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +Specified.Size_ Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-03-0091 | UNDERSIZE FISH | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" /FA_Catch / TypeCode="LOADED" +Specified.Size_ Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| ISR-L01-03-0092 | UNDERSIZE FISH | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / FA_Catch / TypeCode="LOADED" +Specified. Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-03-0108 | DONOR FISHING VESSEL(S) | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" | Donor vessel must be present | WAR | Donor vessel not provided |
| ISR-L00-03-0109 | NAME | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +Name | Donor vessel name must be present | WAR | Donor vessel name not provided |
| ISR-L01-03-0093 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="DONOR_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | WAR | Invalid schemeID provided |
| ISR-L00-03-0110 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="DONOR_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | There must be at least one EXT_MARK, IRCS UVI or CFR | WAR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L02-03-0013 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / VesselTransportMeans / RoleCode="DONOR_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-03-0014 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Donor vessel flag not in EU |
| ISR-L00-03-0111 | FLAG | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +Registration Vessel_Country | Vessel Flag must be present | WAR | Vessel Flag not provided |
| ISR-L01-03-0094 | FLAG | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-03-0095 | FLAG | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | WAR | Flag State value is not valid. |
| ISR-L01-03-0096 | VESSEL TYPE | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +TypeCode | Check attribute listID. Must be VESSEL_TYPE | WAR | Invalid listID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|------------------------------------|
| ISR-L00-03-0112 | VESSEL TYPE | IS_Report / Specified. Fishing_Activity / TypeCode="TRANSHIPMENT" / VesselTransportMeans / RoleCode="DONOR_VESSEL" +TypeCode | TypeCode must be in listID="VESSEL_TYPE" | WAR | The Donor vessel type is not valid |

8.7.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.7.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8

8.7.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|---|--|-------------|--|
| ISR-L00-03-0113 | ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator | Must be present. | WAR | ACTIONS TAKEN not provided |
| ISR-L00-03-0114 | ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator / IndicatorString="Y" | WAR | ACTIONS TAKEN DETAILS not provided |
| ISR-L00-03-0115 | INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Must be present. | WAR | INSPECTOR IN CHARGE SIGNATURE not provided |
| ISR-L00-03-0116 | MASTER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "MASTER_SIGNATURE" +ValueIndicator | Must be present. | WAR | MASTER SIGNATURE not provided |

8.8. Rules for Inspection of market/premises (Module 4)

All these business rules apply to any IS_Report where IS_Report / TypeCode= "MARKET".

8.8.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|---|--|-------------|--|
| ISR-L00-04-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-04-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-04-0002 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3) | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-04-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-04-0002 | REPORT DATE | IS_Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-04-0003 | REPORT DATE | IS_Report / Reference.DateTime | IS_Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-04-0004 | REPORT CONTEXT | IS_Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-04-0006 | REPORT CONTEXT | IS_Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-04-0007 | REPORT CONTEXT | IS_Report / ContextTypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The report context is not valid |
| ISR-L00-04-0005 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-04-0008 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY"+ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-04-0009 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | value must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-04-0006 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Control authority is not provided |
| ISR-L01-04-0070 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must not be empty | WAR | The Control authority must not be empty |
| ISR-L00-04-0007 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime must be present | ERR | The DateTime of the start of the inspection is not provided. |
| ISR-L01-04-0010 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The DateTime of the start of the inspection format is not valid. |
| ISR-L00-04-0008 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime must be present | WAR | The DateTime of the end of the inspection is not provided. |
| ISR-L01-04-0011 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of the end of the inspection format is not valid. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|---|---|-------------|--|
| ISR-L02-04-0001 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of the end of the inspection is before the DateTime of the start. |

8.8.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------|--|--|-------------|---|
| ISR-L00-04-0009 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Must be present. | WAR | Inspector in charge not provided |
| ISR-L00-04-0010 | NAME or ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID must be present | WAR | Inspector in charge name or ID not provided |
| ISR-L00-04-0061 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Given Name Must be present | WAR | Inspector in charge Given Name must be present |
| ISR-L01-04-0050 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspector in charge Given Name must not be empty |
| ISR-L00-04-0062 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Family name must be present | WAR | Inspector in charge Family Name must be present |
| ISR-L01-04-0051 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspector in charge Family Name must not be empty |
| ISR-L01-04-0080 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-04-0081 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-04-0011 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Must be present if IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present. | WAR | Inspector in charge nationality not provided |
| ISR-L01-04-0012 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0013 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspector in charge nationality value not valid |
| ISR-L00-04-0012 | SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" must be present | WAR | Second inspector not provided |
| ISR-L00-04-0013 | NAME or ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person or IS_ | if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | WAR | Second inspector name or ID not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|---|-------------|---|
| | | Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | Contact_ Person or IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID must be present. | | |
| ISR-L00-04-0063 | NAME | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_ Person /Given Name | If IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_ Person is present, Given Name Must be present | WAR | Second inspector Given Name must be present |
| ISR-L01-04-0052 | NAME | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_ Person /Given Name | Given Name Must not be empty | WAR | Second inspector Given Name must not be empty |
| ISR-L00-04-0064 | NAME | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_ Person /Family Name | If IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_ Person is present, Family name must be present | WAR | Second inspector Family Name must be present |
| ISR-L01-04-0053 | NAME | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_ Person /Family Name | Family name must not be empty | WAR | Second inspector Family Name must not be empty |
| ISR-L01-04-0082 | ID | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-04-0083 | ID | IS_ Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-04-0014 | NATIONALITY | IS_ report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Must be present if IS_ report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present. | WAR | Second inspector nationality not provided |
| ISR-L01-04-0014 | NATIONALITY | IS_ report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0015 | NATIONALITY | IS_ report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Second inspector nationality value not valid |
| ISR-L00-04-0015 | NAME or ID | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_ Person or IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | if IS_ report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present IS_ report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_ Person or IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID must be present | WAR | Other inspector name or ID not provided |
| ISR-L00-04-0065 | NAME | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_ Person /Given Name | If IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_ Person is present, Given Name Must be present | WAR | Given Name must be present |
| ISR-L01-04-0054 | NAME | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_ Person /Given Name | Given Name Must not be empty | WAR | Other inspector Given Name must not be empty |
| ISR-L00-04-0066 | NAME | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_ Person /Family Name | If IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_ Person is present, Family name must be present | WAR | Other inspector Family Name must be present |
| ISR-L01-04-0055 | NAME | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_ Person /Family Name | Family name must not be empty | WAR | Other inspector Family Name must not be empty |
| ISR-L01-04-0084 | ID | IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|--|
| ISR-L01-04-0085 | ID | IS_Report / ContactParty / RoleCode = "OTHER_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-04-0016 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" is present. | WAR | Other inspector nationality not provided |
| ISR-L01-04-0016 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0017 | NATIONALITY | IS_report / ContactParty / RoleCode = "OTHER_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Other inspector nationality value not valid |

8.8.3. Section 3 PRE-INSPECTION

None.

8.8.4. Section 4 INSPECTED MARKET OR PREMISES

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------------------|--|--|-------------|--|
| ISR-L01-04-0018 | LOCATION OF THE PORT (name in the EU) | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION" +Identifier | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_INSPECTION" +FLUX_Location / TypeCode ="LOCATION"/ ID in schemeID="LOCATION", value=UN/LOCODE | WAR | ID of PORT OF INSPECTION not valid |
| ISR-L00-04-0017 | INSPECTED MARKET OR PREMISES | IS_Report / ContactParty / RoleCode= "INSPECTED_MARKET_OR_PREMISES" | Must be present | ERR | Inspected market or premises not provided |
| ISR-L00-04-0018 | NAME | IS_Report / ContactParty / RoleCode= "INSPECTED_MARKET_OR_PREMISES" +Name | Must be present | ERR | Inspected market or premises name not provided |
| ISR-L01-04-0019 | NAME | IS_Report / ContactParty / RoleCode= "INSPECTED_MARKET_OR_PREMISES" +Name | Must not be empty | ERR | Inspected market or premises name must not be empty |
| ISR-L00-04-0019 | ADDRESS | IS_Report / ContactParty / RoleCode= "INSPECTED_MARKET_OR_PREMISES" +Structured_Address | Must be present. | ERR | Inspected market or premises address not provided |
| ISR-L00-04-0020 | MARKET OWNER | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" | Must be present | WAR | Market owner not provided |
| ISR-L00-04-0021 | LEGAL ENTITY NAME PERSON NAME | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" +Name | If MARKET OWNER is present, NAME or LEGAL ENTITY NAME must be present | WAR | Market owner name must be a legal entity name or a person nameContactParty |
| ISR-L01-04-0071 | LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" +Name | If LEGAL ENTITY NAME is present, must not be empty | WAR | NAME or LEGAL ENTITY NAME must not be empty |
| ISR-L00-04-0022 | PERSON NAME | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" +Contact_Person / | If MARKET OWNER is present, NAME or LEGAL ENTITY NAME must be present | WAR | Market owner name must be a ContactParty or Contact_Person name |
| ISR-L00-04-0067 | PERSON NAME | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" +Contact_Person /Given Name | Given Name Must be present | WAR | Market owner Given Name must be present |
| ISR-L01-04-0056 | PERSON NAME | IS_Report / ContactParty / RoleCode= "MARKET_OWNER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Market owner Given Name must not be empty |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|---|--|-------------|---|
| ISR-L00-04-0068 | PERSON NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Contact_Person /Family Name | Family name must be present | WAR | Market owner Family Name must be present |
| ISR-L01-04-0057 | PERSON NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Contact_Person /Family Name | Family name must not be empty | WAR | Market owner Family Name must not be empty |
| ISR-L00-04-0023 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Nationality_Country | If IS_Report / ContactParty / RoleCode ="MARKET_OWNER" is present, must be present. | WAR | Inspected market or premises owner nationality not provided |
| ISR-L01-04-0020 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0021 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected market or premises owner nationality not valid |
| ISR-L00-04-0024 | ADDRESS | IS_Report / ContactParty / RoleCode="MARKET_OWNER" +Structured_Address | If IS_Report / ContactParty / RoleCode ="MARKET_OWNER" is present, must be present. | WAR | Inspected market or premises owner address not provided |
| ISR-L00-04-0025 | MARKET OWNER'S REPRESENTATIVE | ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" | Must be present | WAR | Inspected market or premises owner representative not provided |
| ISR-L00-04-0026 | NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Contact_Person / | if ContactParty / Role="MARKET_OWNER_REPRESENTATIVE" is present ContactParty / Role="MARKET_OWNER_REPRESENTATIVE"/ Contact_Person / must be present | WAR | Inspected market or premises owner representative contact not provided |
| ISR-L00-04-0069 | NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Contact_Person / Given Name | Given Name Must be present | WAR | Inspected market or premises owner representative Given Name must be present |
| ISR-L01-04-0058 | NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Contact_Person / Given Name | Given Name Must not be empty | WAR | Inspected market or premises owner representative Given Name must not be empty |
| ISR-L00-04-0070 | NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Contact_Person / Family Name | Family name must be present | WAR | Inspected market or premises owner representative Family Name must be present |
| ISR-L01-04-0059 | NAME | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Contact_Person / Family Name | Family name must not be empty | WAR | Inspected market or premises owner representative Family Name must not be empty |
| ISR-L00-04-0027 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Nationality_Country | if ContactParty / Role="MARKET_OWNER_REPRESENTATIVE" is present , Nationality must be present | WAR | Inspected market or premises owner representative nationality not provided |
| ISR-L01-04-0023 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0024 | NATIONALITY | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected market or premises owner representative nationality not valid |
| ISR-L00-04-0028 | ADDRESS | IS_Report / ContactParty / RoleCode="MARKET_OWNER_REPRESENTATIVE" +Structured_Address | If IS_Report / ContactParty / RoleCode ="MARKET_OWNER_REPRESENTATIVE" is present, must be present. | WAR | Inspected market or premises owner representative address not provided |

8.8.5. Section 5 DOCUMENTS & AUTHORISATIONS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|--|---|-------------|--|
| ISR-L00-04-0029 | DOCUMENTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | Documents check not provided |
| ISR-L00-04-0030 | LANDING DECLARATION CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LANDING_DECLARATION_CHECKED" +CheckInspectionCode | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "DOCUMENTS_CHECKED" / CheckInspectionCode="Yes" | WAR | LANDING DECLARATION CHECK not provided |
| ISR-L00-04-0031 | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" | Must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS not provided |
| ISR-L00-04-0032 | LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Name | if RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, NAME or LEGAL ENTITY NAME must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS name must be a ContactParty or Contact_Person name |
| ISR-L00-04-0033 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person / | If RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, NAME or LEGAL ENTITY NAME must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS name must be a ContactParty or Contact_Person name |
| ISR-L00-04-0071 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Given Name | Given Name Must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Given Name must be present |
| ISR-L01-04-0061 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Given Name | Given Name Must not be empty | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Given Name must not be empty |
| ISR-L00-04-0072 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Family Name | Family name must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Family Name must be present |
| ISR-L01-04-0062 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Family Name | Family name must not be empty | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Family Name must not be empty |
| ISR-L00-04-0034 | NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | if RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, Nationality must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS nationality not provided |
| ISR-L01-04-0026 | NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0027 | NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS nationality not valid |
| ISR-L00-04-0035 | LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Name | If IS_Report / ContactParty / RoleCode= "IMPORTER" +Name is present, LEGAL ENTITY NAME or PERSON NAME must be present | WAR | IMPORTER name must be a ContactParty or Contact_Person name |
| ISR-L00-04-0036 | PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person / | If IS_Report / ContactParty / RoleCode= "IMPORTER" +Name is present, LEGAL ENTITY NAME or PERSON NAME must be present | WAR | IMPORTER must be a ContactParty or Contact_Person name |
| ISR-L00-04-0073 | PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person /Given Name | Given Name Must be present | WAR | IMPORTER Given Name must be present |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|--|
| ISR-L01-04-0063 | PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | IMPORTER Given Name must not be empty |
| ISR-L00-04-0074 | PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person /Family Name | Family name must be present | WAR | IMPORTER Family Name must be present |
| ISR-L01-04-0064 | PERSON NAME | IS_Report / ContactParty / RoleCode= "IMPORTER" +Contact_Person /Family Name | Family name must not be empty | WAR | IMPORTER Family Name must not be empty |
| ISR-L02-04-0012 | NATIONALITY | IS_Report / ContactParty / RoleCode= "IMPORTER" +Nationality_Country | If IS_Report / ContactParty / RoleCode= "IMPORTER" is present, must be present | WAR | IMPORTER Nationality must be present |
| ISR-L01-04-0029 | NATIONALITY | IS_Report / ContactParty / RoleCode= "IMPORTER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0030 | NATIONALITY | IS_Report / ContactParty / RoleCode= "IMPORTER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | IMPORTER nationality not valid |

8.8.6. Section 6 GEAR

None.

8.8.7. Section 7 CATCH / PRODUCT

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|--|---|-------------|--|
| ISR-L00-04-0037 | FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHERIES_PRODUCTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | FISHERIES PRODUCTS CHECK not provided |
| ISR-L00-04-0038 | MINIMUM CONSERVATION REFERENCE SIZE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "MIN_REFERENCE_SIZE_CHECK" +CheckInspectionCode | Must be present. | WAR | MINIMUM CONSERVATION REFERENCE SIZE CHECK not provided |
| ISR-L00-04-0039 | LABELLING FOR TRACEABILITY CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "LABELLING_CHECKED" +CheckInspectionCode | Must be present | WAR | LABELLING CHECK not provided |
| ISR-L00-04-0040 | COMMON MARKETING STANDARDS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "COMM_MARKET_STANDARDS_CHECK" +CheckInspectionCode | Must be present | WAR | COMMON MARKETING STANDARDS CHECK not provided |
| ISR-L00-04-0041 | INSPECTED FISHERIES PRODUCT DETAILS | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" | Must be present only if IS_Report / ISRIItemCharacteristic / TypeCode = "FISHERIES_PRODUCTS_CHECK" +CheckInspectionCode="Yes". There must be at least 1 entry | WAR | INSPECTED FISHERIES PRODUCT DETAILS not provided |
| ISR-L00-04-0042 | SPECIES | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-04-0032 | SPECIES | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +SpeciesCode | Check attribute listID. Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-04-0033 | SPECIES | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L00-04-0043 | WEIGHT | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-04-0034 | WEIGHT | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-04-0035 | WEIGHT | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| | | | | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-04-0036 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-04-0037 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-04-0045 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-04-0038 | FISH PRESENTATION FISH PRESERVATION | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-04-0039 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-04-0046 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-04-0041 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-04-0047 | CATCH AREA | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +FLUX_ Location /TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-04-0048 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-04-0044 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-04-0045 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-04-0049 | ORIGINATING FISHING VESSEL | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Related. | Must be present | WAR | ORIGINATING FISHING VESSEL not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| | | Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | | | |
| ISR-L01-04-0046 | ORIGINATING FISHING VESSEL | IS_Report / FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" +Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | RoleCode must be in listID="ISR_VESSEL_ROLE" | WAR | Related. VesselTransportMeans / RoleCode not in listID="ISR_VESSEL_ROLE" |
| ISR-L00-04-0050 | NAME | IS_Report / FA_Catch / TypeCode= "INSPECTED_FISHERIES_PRODUCT" +Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" +Name | Must be present. | WAR | The originating vessel name is not provided |
| ISR-L00-04-0051 | FLAG | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / Registration Vessel_Country | Must be present if FA_Catch / TypeCode = "INSPECTED_FISHERIES_PRODUCT" and Origin Fishing_Activity / TypeCode="FISHING_OPERATION" and Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | WAR | The originating Vessel's Flag State is not provided. |
| ISR-L01-04-0047 | FLAG | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-04-0048 | FLAG | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / Registration Vessel_Country / ID | ID must be in schemeID="TERRITORY" | WAR | The originating Vessel's Flag State value is not valid. |
| ISR-L00-04-0052 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / ID | There must be at least one EXT_MARK, IRCS UVI or CFR if VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | WAR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L01-04-0049 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / ID | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR if VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | WAR | Invalid schemeID provided |
| ISR-L02-04-0013 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / Related. VesselTransportMeans / ID / schemeID="CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-04-0014 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / Related. Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-------|---------------|---|----------------|-------------|---------|
| | | / Related. VesselTransportMeans / ID / schemeID="CFR" | | | |

8.8.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.8.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8.

8.8.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|--|---|-------------|--|
| ISR-L00-04-0053 | ACTIONS TAKEN | IS_Report / ISRItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator | Must be present. | WAR | ACTIONS TAKEN not provided |
| ISR-L00-04-0054 | ACTIONS TAKEN DETAILS | IS_Report / ISRItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +Value (text) | Must be present if IS_Report / ISRItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator / IndicatorString="Y" | WAR | ACTIONS TAKEN DETAILS not provided |
| ISR-L00-04-0055 | INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRItemCharacteristic / TypeCode = "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Must be present. | WAR | INSPECTOR IN CHARGE SIGNATURE not provided |
| ISR-L00-04-0056 | OPERATOR / OWNER SIGNATURE | IS_Report / ISRItemCharacteristic / TypeCode = "OPERATOR_OWNER_SIGNATURE" +ValueIndicator | Must be present. | WAR | OPERATOR / OWNER SIGNATURE not provided |

8.9. Rules for Inspection during transport (Module 5)

All these business rules apply to any IS_Report where IS_Report / TypeCode= "TRANSPORT".

8.9.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|---|--|-------------|--|
| ISR-L00-05-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-05-0001 | INSPECTION REPORT REFERENCE | IS_Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-05-0002 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3) | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-05-0002 | INSPECTION REPORT REFERENCE | IS_Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-05-0002 | REPORT DATE | IS_Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-05-0003 | REPORT DATE | IS_Report / Reference.DateTime | IS_Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-05-0004 | REPORT CONTEXT | IS_Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-05-0006 | REPORT CONTEXT | IS_Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-05-0007 | REPORT CONTEXT | IS_Report / Context_TypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The inspection context is not valid |
| ISR-L00-05-0005 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-05-0008 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-05-0009 | CONTROL PARTY | IS_Report / ContactParty / RoleCode="CONTROL_PARTY" +ID | value must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-05-0006 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Control authority is not provided |
| ISR-L01-05-0080 | CONTROL AUTHORITY | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must not be empty | WAR | The Control authority name must not be empty |
| ISR-L00-05-0007 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime must be present | ERR | The DateTime of the start of the inspection is not provided. |
| ISR-L01-05-0010 | DATE/TIME OF THE INSPECTION - START | IS_Report / IS_Event / TypeCode="INSPECTION" +OccurrenceDelimitedPeriod / Start.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / Start.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The DateTime of the start of the inspection format is not valid. |
| ISR-L00-05-0008 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime must be present | WAR | The DateTime of the end of the inspection is not provided. |
| ISR-L01-05-0011 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime value must be a UTC date time according to ISO 8601 format | WAR | The DateTime of the end of the inspection format is not valid. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------------------|---|---|-------------|--|
| ISR-L02-05-0001 | DATE/TIME OF THE INSPECTION - FINISH | IS_Report / IS_Event / TypeCode="INSPECTION"; IS_Report / IS_Event / OccurrenceDelimitedPeriod / End.DateTime | End.DateTime value must be > Start.DateTime | WAR | The DateTime of the end of the inspection is before the DateTime of the start. |

8.9.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------|--|---|-------------|---|
| ISR-L00-05-0009 | INSPECTOR IN CHARGE | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" | Must be present. | WAR | Inspector in charge not provided |
| ISR-L00-05-0010 | NAME or ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person or IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +ID must be present. | WAR | Inspector in charge name or ID not provided |
| ISR-L00-05-0080 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Given Name Must be present | WAR | Inspector in charge Given Name must be present |
| ISR-L01-05-0081 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Inspector in charge Given Name must not be empty |
| ISR-L00-05-0081 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" / Contact_Person is present, Family name must be present | WAR | Inspector in charge Family Name must be present |
| ISR-L01-05-0082 | NAME | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Contact_Person /Family Name | Family name must not be empty | WAR | Inspector in charge Family Name must not be empty |
| ISR-L01-05-0100 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE"+ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-05-0101 | ID | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE"+ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-05-0011 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Must be present if IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" is present. | WAR | Inspector in charge nationality not provided |
| ISR-L01-05-0012 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0013 | NATIONALITY | IS_Report / ContactParty / RoleCode ="INSPECTOR_IN_CHARGE" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspector in charge nationality value not valid |
| ISR-L00-05-0012 | SECOND INSPECTOR | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" must be present | WAR | Second inspector not provided |
| ISR-L00-05-0013 | NAME or ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" Contact_Person or IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID must be present. | WAR | Second inspector name or ID not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|---|
| ISR-L00-05-0082 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_Person is present, Given Name Must be present | WAR | Second inspector Given Name must be present |
| ISR-L01-05-0083 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Second inspector Given Name must not be empty |
| ISR-L00-05-0083 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Second inspector Family Name must be present |
| ISR-L01-05-0084 | NAME | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Second inspector Family Name must not be empty |
| ISR-L01-05-0102 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-05-0103 | ID | IS_Report / ContactParty / RoleCode ="SECOND_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-05-0014 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" is present. | WAR | Second inspector nationality not provided |
| ISR-L01-05-0014 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0015 | NATIONALITY | IS_report / ContactParty / RoleCode ="SECOND_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Second inspector nationality value not valid |
| ISR-L00-05-0015 | NAME or ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person or IS_ Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | if IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" Contact_Person or IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID must be present. | WAR | Other inspector name or ID not provided |
| ISR-L00-05-0084 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_Person is present, Given Name Must be present | WAR | Given Name must be present |
| ISR-L01-05-0085 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Other inspector Given Name must not be empty |
| ISR-L00-05-0085 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" / Contact_Person is present, Family name must be present | WAR | Other inspector Family Name must be present |
| ISR-L01-05-0086 | NAME | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Contact_Person /Family Name | Family name must not be empty | WAR | Other inspector Family Name must not be empty |
| ISR-L01-05-0104 | ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | If present, ID must not be empty. | WAR | Inspector ID must not be empty. |
| ISR-L01-05-0105 | ID | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +ID | Check attribute schemeName of ID, must not be empty | WAR | The schemeName for Inspector ID cannot be empty. |
| ISR-L00-05-0016 | NATIONALITY | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | Must be present if IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" is present. | WAR | Other inspector nationality not provided |
| ISR-L01-05-0016 | NATIONALITY | IS_report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|------------------------------------|-------------|---|
| ISR-L01-05-0017 | NATIONALITY | IS_Report / ContactParty / RoleCode ="OTHER_INSPECTOR" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Other inspector nationality value not valid |

8.9.3. Section 3 PRE-INSPECTION

None.

8.9.4. Section 4 INSPECTED VEHICLE

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--------------------------|---|--|-------------|--|
| ISR-L00-05-0017 | LOCATION OF INSPECTION | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTION" +FLUX_ Location / TypeCode="ADDRESS" | At least one of ADDRESS or POSITION | WAR | Location of the inspection must be at least one of ADDRESS or POSITION |
| ISR-L00-05-0018 | ADDRESS | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTION" +FLUX_ Location / TypeCode="ADDRESS" / Physical Structured_Address | If LOCATION=ADDRESS, must be present | WAR | Inspection location defined as address but no address provided |
| ISR-L00-05-0019 | LOCATION OF INSPECTION | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTION" +FLUX_ Location / TypeCode="POSITION" | At least one of ADDRESS or POSITION | WAR | Location of the inspection must be at least one of ADDRESS or POSITION |
| ISR-L00-05-0020 | GEOGRAPHICAL COORDINATES | IS_Report / ISRIItemCharacteristic / TypeCode="LOCATION_OF_INSPECTION" +FLUX_ Location / TypeCode="POSITION" / Physical FLUX_Geographical Coordinate / | If LOCATION=POSITION, must be present | WAR | Location of inspection defined as Position but Geographical Coordinate is not provided |
| ISR-L00-05-0022 | INSPECTED VEHICLE | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" | Must be present | ERR | Inspected vehicle not provided |
| ISR-L00-05-0074 | VEHICLE TYPE | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" / TypeCode | Must be present | WAR | Inspected vehicle type not provided |
| ISR-L01-05-0075 | VEHICLE TYPE | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" / TypeCode | value must be in listID="VEHICLE_TYPE" | WAR | Invalid Inspected vehicle type provided |
| ISR-L00-05-0023 | COUNTRY OF REGISTRATION | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +Registration Country_ Identification | Must be present | ERR | Country of registration not provided |
| ISR-L01-05-0023 | COUNTRY OF REGISTRATION | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +Registration Country_ Identification | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-05-0024 | COUNTRY OF REGISTRATION | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +Registration Country_ Identification | ID must be in schemeID="TERRITORY" | ERR | Country of registration not valid |
| ISR-L00-05-0024 | TRACTOR IDENTIFICATION | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +Identification | Must be present | ERR | Tractor identification not provided |
| ISR-L01-05-0025 | TRACTOR IDENTIFICATION | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +Identification | Check attribute schemeID. Must be in FLUX_VEHICLE_ID_TYPE | ERR | Invalid schemeID provided |
| ISR-L00-05-0025 | OWNER | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" | Must be present | WAR | Vehicle owner not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|----------------------------------|--|--|-------------|--|
| ISR-L00-05-0026 | LEGAL ENTITY NAME PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Name IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person / | If IS_Report / Vehicle_Transport Means / Vehicle_Transport Means / ContactParty / RoleCode="OWNER" is present, LEGAL ENTITY NAME or PERSON NAME must be present | WAR | Vehicle owner name must be a legal entity name or a person nameContactParty |
| ISR-L00-05-0027 | PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person / | If IS_Report / Vehicle_Transport Means / Vehicle_Transport Means / ContactParty / RoleCode="OWNER" is present, LEGAL ENTITY NAME or PERSON NAME must be present | WAR | Vehicle owner name must be a ContactParty or Contact_Person name |
| ISR-L00-05-0087 | PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | If IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person is present, Given Name Must be present | WAR | Vehicle owner Given Name must be present |
| ISR-L01-05-0088 | PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Vehicle owner Given Name must not be empty |
| ISR-L00-05-0088 | PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person /Family Name | If IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person is present, Family name must be present | WAR | Vehicle owner Family Name must be present |
| ISR-L01-05-0089 | PERSON NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Contact_Person /Family Name | Family name must not be empty | WAR | Vehicle owner Family Name must not be empty |
| ISR-L00-05-0028 | NATIONALITY | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Nationality_Country | If IS_Report / Vehicle_Transport Means / Vehicle_Transport Means / ContactParty / RoleCode="OWNER" is present, must be present. | WAR | Inspected vehicle owner nationality not provided |
| ISR-L01-05-0028 | NATIONALITY | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0029 | NATIONALITY | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Inspected vehicle owner nationality not valid |
| ISR-L00-05-0029 | ADDRESS | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="OWNER" +Structured_Address | If IS_Report / Vehicle_Transport Means / Vehicle_Transport Means / ContactParty / RoleCode="OWNER" is present, must be present | WAR | Inspected vehicle owner address not provided |
| ISR-L00-05-0030 | DRIVER | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" | Must be present | WAR | Vehicle driver not provided |
| ISR-L00-05-0031 | NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Contact_Person / | If IS_Report / Vehicle_Transport Means / ContactParty / RoleCode= "DRIVER" is present , IS_Report / Vehicle_Transport Means / ContactParty / RoleCode= "DRIVER" +Contact_ Person / must be present | WAR | Driver contact not provided |
| ISR-L00-05-0089 | NAME | IS_Report / Vehicle_Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / | Given Name Must be present | WAR | Driver Given Name must be present |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|--|-------------|--------------------------------------|
| | | RoleCode="DRIVER" +Contact_ Person / Given Name | | | |
| ISR-L01-05-0090 | NAME | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Contact_ Person / Given Name | Given Name Must not be empty | WAR | Driver Given Name must not be empty |
| ISR-L00-05-0090 | NAME | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Contact_ Person / Family Name | Family name must be present | WAR | Driver Family Name must be present |
| ISR-L01-05-0091 | NAME | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Contact_ Person / Family Name | Family name must not be empty | WAR | Driver Family Name must not be empty |
| ISR-L00-05-0032 | NATIONALITY | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Nationality_ Country | If IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode= "DRIVER" is present , Nationality must be present | WAR | Driver nationality not provided |
| ISR-L01-05-0031 | NATIONALITY | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Nationality_ Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0032 | NATIONALITY | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Nationality_ Country | ID must be in schemeID="TERRITORY" | WAR | Driver nationality not valid |
| ISR-L00-05-0033 | ADDRESS | IS_Report / Vehicle_ Transport Means / RoleCode="INSPECTED_VEHICLE" +ContactParty / RoleCode="DRIVER" +Structured_ Address | If IS_Report / Vehicle_ Transport Means / ContactParty / RoleCode= "DRIVER" is present, must be present. | WAR | Driver address not provided |

8.9.5. Section 5 DOCUMENTS & AUTHORISATIONS

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|---|--|-------------|---|
| ISR-L00-05-0034 | DOCUMENTS RELATED TO FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DOCS_FISHERIES_PROD_CHECK" +CheckInspectionCode | Must be present. | WAR | Documents check not provided |
| ISR-L00-05-0035 | DESTINATION OF THE VEHICLE CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "DESTINATION_VEHICLE_CHECK" +CheckInspectionCode | Must be present | WAR | DESTINATION OF THE VEHICLE CHECK not provided |
| ISR-L00-05-0036 | DESTINATION OF THE VEHICLE | IS_Report / ISRIItemCharacteristic / TypeCode = "DESTINATION_VEHICLE_CHECK" +CheckInspectionCode="Yes" +FLUX_ Location / TypeCode="LOCATION" +Physical structured address | if DESTINATION OF THE VEHICLE CHECK CheckInspectionCode="Yes", must be present | WAR | DESTINATION OF THE VEHICLE not provided |
| ISR-L00-05-0037 | DESTINATION OF THE VEHICLE | IS_Report / ISRIItemCharacteristic / TypeCode = "DESTINATION_VEHICLE_CHECK" +CheckInspectionCode="Yes" +FLUX_ Location / TypeCode="LOCATION" +Physical structured address | Must contain at least the state of destination | WAR | DESTINATION OF THE VEHICLE State not provided |
| ISR-L01-05-0034 | DESTINATION OF THE VEHICLE | IS_Report / ISRIItemCharacteristic / TypeCode = "DESTINATION_VEHICLE_CHECK" | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| | | +CheckInspectionCode="Yes" +FLUX_ Location / TypeCode="LOCATION" +Physical structured address / CountryID | | | |
| ISR-L00-05-0038 | DESTINATION OF THE VEHICLE | IS_Report / ISRIItemCharacteristic / TypeCode = "DESTINATION_VEHICLE_CHECK" +CheckInspectionCode="Yes" +FLUX_ Location / TypeCode="LOCATION" +Physical structured address / CountryID | CountryID must be in schemeID="TERRITORY" | WAR | DESTINATION OF THE VEHICLE state not valid |
| ISR-L00-05-0039 | CONTROL AUTHORITY WHO AFFIXED THE SEALS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "CONTROL_AUTH_SEALS_CHECK" +Check_Inspection. Code | Must be present | WAR | CONTROL AUTHORITY WHO AFFIXED THE SEALS CHECK not provided |
| ISR-L00-05-0040 | STATUS OF SEALS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "STATUS_OF_SEALS_CHECKED" +Check_Inspection. Code | Must be present | WAR | STATUS OF SEALS CHECK not provided |
| ISR-L00-05-0094 | SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "SEAL_ON_TRANSPORT_DOC_CHECK" +Check_Inspection. Code | Must be present | WAR | SEAL DETAILS NOTED ON THE TRANSPORT DOCUMENT CHECK not provided |
| ISR-L00-05-0041 | TAKEOVER CROSS CHECK WITH LANDING DECLARATION | IS_Report / ISRIItemCharacteristic / TypeCode = "TAKEOVER_LANDING_CROSSCHECK " +Check_Inspection. Code | Must be present | WAR | TAKE-OVER CROSS CHECK WITH LANDING DECLARATION CheckInspectionCode not provided |
| ISR-L00-05-0042 | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS (PRODUCTS TRANSPORTED BEFORE WEIGHING) | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" | Must be provided | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS not provided |
| ISR-L00-05-0043 | LEGAL ENTITY NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Name | if RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, NAME or LEGAL ENTITY NAME must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS name must be a ContactParty or Contact_Person name |
| ISR-L00-05-0044 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person / | if RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, NAME or LEGAL ENTITY NAME must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS name must be a ContactParty or Contact_Person name |
| ISR-L00-05-0091 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Given Name | Given Name Must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Given Name must be present |
| ISR-L01-05-0092 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Given Name | Given Name Must not be empty | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Given Name must not be empty |
| ISR-L00-05-0092 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Family Name | Family name must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Family Name must be present |
| ISR-L01-05-0093 | PERSON NAME | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Contact_Person /Family Name | Family name must not be empty | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS Family Name must not be empty |
| ISR-L00-05-0093 | NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | if RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS is present, Nationality must be present | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS nationality not provided |
| ISR-L01-05-0036 | NATIONALITY | IS_Report / ContactParty / RoleCode= "RESP_1ST_MARKET_OF_FISH" +Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------|--|------------------------------------|-------------|---|
| ISR-L01-05-0037 | NATIONALITY | IS_Report / ContactParty / RoleCode="RESP_1ST_MARKET_OF_FISH" +Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | RESPONSIBLE FOR THE FIRST MARKETING OF FISHERIES PRODUCTS nationality not valid |

8.9.6. Section 6 GEAR

None.

8.9.7. Section 7 CATCH / PRODUCT

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---|---|---|-------------|--|
| ISR-L00-05-0045 | FISHERIES PRODUCTS CHECK | IS_Report / ISRIItemCharacteristic / TypeCode = "FISHERIES_PRODUCTS_CHECKED" +CheckInspectionCode | Must be present. | WAR | FISHERIES PRODUCTS CHECK not provided |
| ISR-L00-05-0046 | FISHERIES PRODUCTS WEIGHED BEFORE TRANSPORT | IS_Report / FA_Catch | Must be present only if IS_Report/ISR Item_Characteristic/TypeCode="FISHERIES_PRODUCTS_CHECK" +CheckInspectionCode="Yes"; There must be at least 1 of FISHERIES PRODUCTS WEIGHED BEFORE TRANSPORT or FISHERIES PRODUCTS TRANSPORTED BEFORE WEIGHING | WAR | FISHERIES PRODUCTS details not provided |
| ISR-L00-05-0047 | SPECIES | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +SpeciesCode | Must be present. | WAR | SPECIES not provided |
| ISR-L01-05-0039 | SPECIES | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +SpeciesCodeSpeciesCode | Check attribute listID. Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-05-0040 | SPECIES | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +SpeciesCodeSpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |
| ISR-L00-05-0048 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-05-0041 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-05-0042 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| | | | | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-05-0043 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-05-0044 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHED_BFR_TRANSP" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| ISR-L00-05-0050 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-05-0045 | FISH PRESENTATION FISH PRESERVATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-05-0046 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-05-0051 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-05-0048 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-05-0052 | CATCH AREA | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product +Origin FLUX_Location / TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-05-0053 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-05-0051 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-05-0052 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-05-0054 | ORIGINATING FISHING VESSEL | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | Must be present | WAR | ORIGINATING FISHING VESSEL not provided |
| ISR-L00-05-0055 | NAME | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Name | Must be present. | WAR | The originating vessel name is not provided |
| ISR-L00-05-0056 | FLAG | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_Country / ID | Must be present. | WAR | The originating Vessel's Flag State is not provided. |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|---|-------------|--|
| ISR-L01-05-0054 | FLAG | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_Country / ID | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0055 | FLAG | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_Country / ID | ID must be in schemeID="TERRITORY" | WAR | The originating Vessel's Flag State value is not valid. |
| ISR-L01-05-0056 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | WAR | Invalid schemeID provided |
| ISR-L00-05-0057 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | There must be at least one EXT_MARK, IRCS UVI or CFR | WAR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L02-05-0010 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / schemeID="CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-05-0011 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / TypeCode = "FISH_PROD_WEIGHTED_BFR_TRANSP" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |
| ISR-L00-05-0058 | FISHERIES PRODUCTS TRANSPORTED BEFORE WEIGHING | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" | Must be present only if IS_Report/ISR Item_Characteristic/TypeCode="FISHERIES_PRODUCTS_CHECK" +CheckInspectionCode="Yes"; There must be at least 1 of FISHERIES PRODUCTS WEIGHED BEFORE TRANSPORT or FISHERIES PRODUCTS TRANSPORTED BEFORE WEIGHING | WAR | FISHERIES PRODUCTS details not provided |
| ISR-L01-05-0057 | SPECIES | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +SpeciesCode | Check attribute listID. Must be FAO_SPECIES | WAR | Invalid listID provided |
| ISR-L01-05-0058 | SPECIES | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +SpeciesCode | SpeciesCode must be in listID="FAO_SPECIES" | WAR | SPECIES code not valid |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|--|---|-------------|--|
| ISR-L00-05-0060 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure or UnitQuantity must be present. | WAR | WEIGHT and NUMBER OF FISHES not provided |
| ISR-L01-05-0059 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure Must be a number | WAR | WEIGHT not a number |
| ISR-L01-05-0060 | WEIGHT | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / WeightMeasure | WeightMeasure must be >0 | WAR | Weight is ≤ to zero |
| ISR-L01-05-0061 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity Must be a number | WAR | NUMBER OF FISHES not a number |
| ISR-L01-05-0062 | NUMBER OF FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / UnitQuantity | UnitQuantity must be >0 | WAR | NUMBER OF FISHES must be >0 |
| ISR-L00-05-0062 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESENTATION". | WAR | FISH PRESENTATION not provided |
| ISR-L01-05-0063 | FISH PRESENTATION FISH PRESERVATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | listID must be FISH_PRESENTATION or FISH_PRESERVATION | WAR | Invalid listID provided |
| ISR-L01-05-0064 | FISH PRESENTATION | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESENTATION", TypeCode Value must be in listID="FISH_PRESENTATION" | WAR | FISH PRESENTATION not valid |
| ISR-L00-05-0063 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | Must be present with listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not provided |
| ISR-L01-05-0066 | PRESERVATION FORM | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / AAP_Process / TypeCode | If listID="FISH_PRESERVATION", TypeCode Value must be in listID="FISH_PRESERVATION" | WAR | FISH PRESERVATION FORM not valid |
| ISR-L00-05-0064 | CATCH AREA | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product +Origin FLUX_Location / TypeCode="AREA" +ID | Must be present | WAR | CATCH AREA not provided |
| ISR-L00-05-0065 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Must be present | WAR | UNDERSIZE FISH not provided |
| ISR-L01-05-0069 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | Check attribute listID. Must be FISH_SIZE_CLASS | WAR | Invalid listID provided |
| ISR-L01-05-0070 | UNDERSIZE FISH | IS_Report / FA_Catch / TypeCode = "FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / AAP_Product / Size_Distribution / ClassCode | ClassCode Value must be in listID="FISH_SIZE_CLASS" | WAR | UNDERSIZE FISH code not valid |
| ISR-L00-05-0066 | ORIGINATING VESSEL(S) | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin | Must be present | WAR | ORIGINATING FISHING VESSEL not provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|--|---|--|-------------|--|
| | | Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / RoleCode="ORIGINATING_FISHING_VESSEL" | | | |
| ISR-L00-05-0067 | NAME | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Name | Must be present. | WAR | The originating vessel name is not provided |
| ISR-L00-05-0068 | FLAG | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_ Country / ID | Must be present. | WAR | The originating Vessel's Flag State is not provided. |
| ISR-L01-05-0072 | FLAG | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_ Country / ID | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-05-0073 | FLAG | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / Registration Vessel_ Country / ID | ID must be in schemeID="TERRITORY" | WAR | The originating Vessel's Flag State value is not valid. |
| ISR-L00-05-0069 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | at least one EXT_MARK, IRCS, UVI or CFR | WAR | At least one of the IRCS, External Markings, UVI or CFR must be provided |
| ISR-L01-05-0074 | EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER, CFR | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / SchemeID="EXT_MARK"/"IRCS"/"UVI"/"CFR" | Check attribute schemeID. Must be EXT_MARK, IRCS, UVI or CFR | WAR | Invalid schemeID provided |
| ISR-L02-05-0012 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|---------------------------------|--|---|-------------|--|
| | | TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / schemeID="CFR" | | | |
| ISR-L02-05-0013 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / FA_Catch / TypeCode="FISH_PROD_TRANSP_BFR_WEIGHING" +Sales_Batch / Specified. AAP_Product / Origin Fishing_Activity / TypeCode="FISHING_OPERATION" +Related. VesselTransportMeans / ID / schemeID="CFR" | Vessel_ Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |

8.9.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.9.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8.

8.9.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rules | Fail result | Message |
|-----------------|-------------------------------|---|---|-------------|--|
| ISR-L00-05-0070 | ACTIONS TAKEN | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator | Must be present. | WAR | ACTIONS TAKEN not provided |
| ISR-L00-05-0071 | ACTIONS TAKEN DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +Value (text) | Must be present if IS_Report / ISRIItemCharacteristic / TypeCode = "ACTIONS_TAKEN" +ValueIndicator / IndicatorString="Y" | WAR | ACTIONS TAKEN DETAILS not provided |
| ISR-L00-05-0072 | INSPECTOR IN CHARGE SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "INSPECTOR_IN_CHARGE_SIGNATURE" +ValueIndicator | Must be present. | WAR | INSPECTOR IN CHARGE SIGNATURE not provided |
| ISR-L00-05-0073 | DRIVER SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode = "DRIVER_SIGNATURE" +ValueIndicator | Must be present. | WAR | DRIVER SIGNATURE not provided |

8.10. Rules for Surveillance (Module 6)

All these business rules apply to any IS_ Report where IS_ Report / TypeCode= "SURVEILLANCE".

8.10.1. Section 1 GENERAL REFERENCE DATA

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|-----------------------------|--|--|-------------|--|
| ISR-L00-06-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID | Must be present | ERR | The report identification is not provided |
| ISR-L01-06-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID | Check attribute schemeID. Must be EU_ISR_ID | ERR | Invalid schemeID provided |
| ISR-L01-06-0002 | INSPECTION REPORT REFERENCE | IS_ Report / ID; schemeID="EU_ISR_ID" | value must follow schemeID="EU_ISR_ID" (see section 6.2.3) | ERR | The report identification is not a valid EU_ISR_ID |
| ISR-L03-06-0001 | INSPECTION REPORT REFERENCE | IS_ Report / ID; schemeID="EU_ISR_ID" | Must be unique if PurposeCode="9" (new submission) | WAR | The report identification is not unique |
| ISR-L00-06-0002 | REPORT DATE | IS_ Report / Reference.DateTime | Must be present | ERR | The Report Date is not provided |
| ISR-L01-06-0003 | REPORT DATE | IS_ Report / Reference.DateTime | IS_ Report / Reference.DateTime value must be a UTC date time according to ISO 8601 format | ERR | The Report Date format is not valid. |
| ISR-L00-06-0004 | REPORT CONTEXT | IS_ Report / ContextTypeCode | Must be present | WAR | The report context is not provided |
| ISR-L01-06-0006 | REPORT CONTEXT | IS_ Report / ContextTypeCode | Check attribute listID. Must be ISR_REPORT_CONTEXT | WAR | Invalid listID provided |
| ISR-L01-06-0007 | REPORT CONTEXT | IS_ Report / ContextTypeCode | value must be in listID="ISR_REPORT_CONTEXT" | WAR | The inspection context is not valid |
| ISR-L00-06-0005 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"; IS_ Report / ContactParty / ID | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY" must be present | ERR | The Control Party is not provided |
| ISR-L01-06-0008 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"; IS_ Report / ContactParty / ID | Check attribute schemeID. Must be ISR_CONTROL_PARTY | ERR | Invalid schemeID provided |
| ISR-L01-06-0009 | CONTROL PARTY | IS_ Report / ContactParty / RoleCode="CONTROL_PARTY"; IS_ Report / ContactParty / ID | value must be in schemeID="ISR_CONTROL_PARTY" | ERR | The Control Party value is not valid |
| ISR-L00-06-0006 | CONTROL AUTHORITY | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must be present | WAR | The Surveillance authority is not provided |
| ISR-L01-06-0080 | CONTROL AUTHORITY | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name | IS_ Report / ContactParty / RoleCode="CONTROL_AUTHORITY" +Name must not be empty | WAR | The Surveillance authority must not be empty |
| ISR-L00-06-0007 | DATE/TIME OF SIGHTING | IS_ Report / IS_ Event / TypeCode="SIGHTING" +OccurrenceDateTime | IS_ Report / IS_ Event / TypeCode="SIGHTING" must be present | ERR | The DateTime of the sighting is not provided. |
| ISR-L01-06-0010 | DATE/TIME OF SIGHTING | IS_ Report / IS_ Event / TypeCode="SIGHTING" +OccurrenceDateTime | IS_ Report / IS_ Event / OccurrenceDateTime value must be a UTC date time according to ISO 8601 format | ERR | The DateTime of the sighting format is not valid. |

8.10.2. Section 2 INSPECTION MEANS

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---|---|---|-------------|--|
| ISR-L00-06-0008 | SURVEILLANCE VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" | There must be one and only one of SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT, SURVEILLANCE FROM LAND LOCATION | WAR | There must be one and only SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT or SURVEILLANCE FROM LAND LOCATION |
| ISR-L00-06-0070 | SURVEILLANCE CRAFT | IS_Report / Vehicle_Transport Means / RoleCode="SURVEILLANCE_CRAFT" | There must be one and only one of SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT, SURVEILLANCE FROM LAND LOCATION | WAR | There must be one and only SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT or SURVEILLANCE FROM LAND LOCATION |
| ISR-L00-06-0071 | SURVEILLANCE FMC | IS_Report / ContactParty / RoleCode="FISHERIES_MONITORING_CENTRE" | There must be one and only one of SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT, SURVEILLANCE FROM LAND LOCATION | WAR | There must be one and only SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT or SURVEILLANCE FROM LAND LOCATION |
| ISR-L00-06-0072 | SURVEILLANCE PORT | IS_Report/ ISRIItemCharacteristic /TypeCode="PORT_OF_SURVEILLANCE" +FLUX_Location / TypeCode="LOCATION" +Identifier | There must be one and only one of SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT, SURVEILLANCE FROM LAND LOCATION | WAR | There must be one and only SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT or SURVEILLANCE FROM LAND LOCATION |
| ISR-L00-06-0073 | SURVEILLANCE FROM LAND LOCATION | IS_Report / FLUX_Location / TypeCode="POSITION" +Name="SURVEILLANCE_FROM_LAND_LOCATION" | There must be one and only one of SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT, SURVEILLANCE FROM LAND LOCATION | WAR | There must be one and only SURVEILLANCE VESSEL, SURVEILLANCE CRAFT, SURVEILLANCE FMC, SURVEILLANCE PORT or SURVEILLANCE FROM LAND LOCATION |
| ISR-L00-06-0009 | SURVEILLANCE VESSEL / FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Must be present if SURVEILLANCE VESSEL is present | ERR | The Patrol Vessel's Flag State is not provided. |
| ISR-L01-06-0011 | SURVEILLANCE VESSEL / FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | ERR | Invalid schemeID provided |
| ISR-L01-06-0012 | SURVEILLANCE VESSEL / FLAG | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | ERR | The Patrol Vessel's Flag State value is not valid. |
| ISR-L00-06-0010 | SURVEILLANCE VESSEL / NAME | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Name | Must be present if PATROL VESSEL is present | WAR | The patrol vessel name is not provided |
| ISR-L00-06-0011 | SURVEILLANCE VESSEL / EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | at least one EXT_MARK, IRCS, UVI if PATROL VESSEL is present | ERR | At least one of the IRCS, External Markings or UVI must be provided |
| ISR-L01-06-0013 | SURVEILLANCE VESSEL / EXTERNAL REGISTRATION NUMBER, INTERNATIONAL RADIO CALL SIGN, UVI (IMO) NUMBER | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +ID / SchemeID="EXT_MARK"/"IRCS"/"UVI" | Check attribute schemeID. Must be EXT_MARK, IRCS or UVI | ERR | Invalid schemeID provided |
| ISR-L00-06-0012 | SURVEILLANCE VESSEL / PATROL VESSEL POSITION EVENT | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position event | Must be present if SURVEILLANCE VESSEL is present | WAR | The position of the patrol vessel is not provided |
| ISR-L00-06-0013 | SURVEILLANCE VESSEL / GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel_Position_ | Must be present if SURVEILLANCE VESSEL is present | WAR | Vessel geographical coordinates is not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---|--|---|-------------|---|
| | | Event / Specified. Vessel_ Geographical Coordinate / | | | |
| ISR-L00-06-0051 | SURVEILLANCE VESSEL / DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be present if SURVEILLANCE VESSEL is present | WAR | DateTime of patrol vessel position not provided |
| ISR-L01-06-0017 | SURVEILLANCE VESSEL / DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedOccurrenceDateTime | must be a UTC date time according to ISO 8601 format | WAR | DateTime of patrol vessel position not in a valid format |
| ISR-L02-06-0012 | SURVEILLANCE VESSEL / DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be the same as Sighting date/time | WAR | DateTime of patrol vessel position not the same as DateTime of Sighting |
| ISR-L00-06-0052 | SURVEILLANCE VESSEL / LOCATION OF THE PATROL VESSEL | IS_Report / VesselTransportMeans / RoleCode="PATROL_VESSEL" +FLUX_ Location /TypeCode="AREA" /ID | Must be present if SURVEILLANCE VESSEL is present | WAR | Location of patrol vessel not provided |
| ISR-L00-06-0053 | SURVEILLANCE CRAFT TYPE | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +TypeCode | Must be present if SURVEILLANCE CRAFT is present | WAR | SURVEILLANCE CRAFT TYPE not provided |
| ISR-L01-06-0021 | SURVEILLANCE CRAFT TYPE | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +TypeCode | Check attribute listID. Must be ISR_SURVEILLANCE_CRAFT_TYPE | WAR | Invalid listID provided |
| ISR-L01-06-0022 | SURVEILLANCE CRAFT TYPE | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +TypeCode | Value must be in listID="ISR_SURVEILLANCE_CRAFT_TYPE" | WAR | SURVEILLANCE CRAFT TYPE not valid |
| ISR-L00-06-0019 | SURVEILLANCE CRAFT / COUNTRY OF REGISTRATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +Registration Country_ Identification | Must be present if SURVEILLANCE CRAFT is present | WAR | Country of registration not provided |
| ISR-L01-06-0023 | SURVEILLANCE CRAFT / COUNTRY OF REGISTRATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +Registration Country_ Identification | Check attribute schemeID. Must be TERRITORY | WAR | Invalid listID provided |
| ISR-L01-06-0084 | SURVEILLANCE CRAFT / COUNTRY OF REGISTRATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +Registration Country_ Identification | ID must be in schemeID="TERRITORY" | WAR | Country of registration not valid |
| ISR-L00-06-0023 | SURVEILLANCE CRAFT / CRAFT IDENTIFICATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +ID | Must be present if SURVEILLANCE CRAFT is present | WAR | Surveillance craft identification not provided |
| ISR-L01-06-0025 | SURVEILLANCE CRAFT / CRAFT IDENTIFICATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +ID | Check attribute schemeID. Must be in FLUX_VEHICLE_ID_TYPE | WAR | Invalid schemeID provided |
| ISR-L01-06-0085 | SURVEILLANCE CRAFT / CRAFT IDENTIFICATION | IS_Report / Vehicle_ Transport Means / RoleCode="SURVEILLANCE_CRAFT" +ID | Must not be empty | WAR | Surveillance craft identification not valid |
| ISR-L00-06-0026 | SURVEILLANCE CRAFT / POSITION OF SURVEILLANCE CRAFT | IS_Report / ISRIItemCharacteristic /TypeCode="POSITION_OF_SURVEILLANCE_CRAFT" +FLUX_ Location | Must be present if SURVEILLANCE CRAFT is present | WAR | No POSITION OF SURVEILLANCE CRAFT provided |
| ISR-L00-06-0022 | SURVEILLANCE CRAFT / GEOGRAPHICAL COORDINATES | IS_Report / ISRIItemCharacteristic /TypeCode="POSITION_OF_SURVEILLANCE_CRAFT" +FLUX_ Location / TypeCode="POSITION" / Physical FLUX_ Geographical Coordinate / | Must be present if SURVEILLANCE CRAFT is present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-06-0025 | SURVEILLANCE FMC / NAME | IS_Report / ContactParty / RoleCode="FISHERIES_MONITORING_CENTRE" +Name | Must be present if SURVEILLANCE FMC is present | WAR | FMC name not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--|--|--|-------------|--|
| ISR-L00-06-0054 | SURVEILLANCE FMC / ADDRESS | IS_Report / ContactParty / RoleCode="FISHERIES_MONITORING_CENTRE" +Structured_Address | Must be present if SURVEILLANCE FMC is present | WAR | FMC address not provided |
| ISR-L01-06-0031 | SURVEILLANCE PORT | IS_Report / ISRIItemCharacteristic / TypeCode="PORT_OF_SURVEILLANCE" +FLUX_Location / TypeCode="LOCATION" +Identifier | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-06-0032 | SURVEILLANCE PORT | IS_Report / ISRIItemCharacteristic / TypeCode="PORT_OF_SURVEILLANCE" +FLUX_Location / TypeCode="LOCATION" +Identifier | ID must be in schemeID="LOCATION", value must be a UN/LOCODE | WAR | ID of surveillance port not valid |
| ISR-L00-06-0027 | SURVEILLANCE FROM LAND POSITION / GEOGRAPHICAL COORDINATES | IS_Report / FLUX_Location / TypeCode="POSITION" +Name="SURVEILLANCE_FROM_LAND_LOCATION" +Physical FLUX_Geographical Coordinate / | Must be present if SURVEILLANCE FROM LAND is present | WAR | SURVEILLANCE FROM LAND POSITION geographical coordinates is not provided |
| ISR-L00-06-0031 | SIGHTING OR DETECTION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="SIGHTING_OR_DETECTION_MEANS" +ValueCode | Must be present | WAR | SIGHTING OR DETECTION MEANS not provided |
| ISR-L01-06-0034 | SIGHTING OR DETECTION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="SIGHTING_OR_DETECTION_MEANS" +ValueCode | Check attribute listID. Must be listID="ISR_SIGHTING_DETECTION_MEAN" | WAR | Invalid listID provided |
| ISR-L01-06-0035 | SIGHTING OR DETECTION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="SIGHTING_OR_DETECTION_MEANS" +ValueCode | ValueCode must be in listID="ISR_SIGHTING_DETECTION_MEAN" | WAR | SIGHTING OR DETECTION MEANS not valid |
| ISR-L00-06-0055 | SIGHTING OR DETECTION MEANS DETAILS | IS_Report / ISRIItemCharacteristic / TypeCode="SIGHTING_OR_DETECTION_MEANS" +ValueCode="OTHER" +Value (text) as description | Must be present if SIGHTING_OR_DETECTION_MEANS ValueCode="OTHER" | WAR | SIGHTING OR DETECTION MEANS indicated as OTHER but no SIGHTING OR DETECTION MEANS DETAILS provided |
| ISR-L00-06-0032 | REPORTING OFFICIAL | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" | Must be present | WAR | REPORTING OFFICIAL not provided |
| ISR-L00-06-0037 | NAME or ID | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person or IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +ID | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person or IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +ID must be present | WAR | REPORTING OFFICIAL name or ID not provided |
| ISR-L00-06-0056 | NAME | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person /Given Name | If IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" / Contact_Person is present, Given Name Must be present | WAR | REPORTING OFFICIAL Given Name must be present |
| ISR-L01-06-0090 | NAME | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person /Given Name | Given Name Must not be empty | WAR | REPORTING OFFICIAL Given Name must not be empty |
| ISR-L00-06-0057 | NAME | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person /Family Name | If IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" / Contact_Person is present, Family name must be present | WAR | REPORTING OFFICIAL Family Name must be present |
| ISR-L01-06-0091 | NAME | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +Contact_Person /Family Name | Family name must not be empty | WAR | REPORTING OFFICIAL Family Name must not be empty |
| ISR-L01-06-0100 | ID | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +ID | If present, ID must not be empty. | WAR | REPORTING OFFICIAL ID must not be empty. |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|--|---|-------------|---|
| ISR-L01-06-0101 | ID | IS_Report / ContactParty / RoleCode ="REPORTING_OFFICIAL" +ID | Check attribute schemeName, must not be empty | WAR | The schemeName for REPORTING OFFICIAL ID cannot be empty. |

8.10.3. Section 3 PRE-INSPECTION

None.

8.10.4. Section 4 SIGHTED VESSEL

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---|--|---|-------------|--|
| ISR-L00-06-0033 | SIGHTED VESSEL | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" must be present | ERR | SIGHTED VESSEL not provided |
| ISR-L00-06-0034 | GEOGRAPHICAL COORDINATES | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position_ Event / Specified. Vessel_ Geographical Coordinate / | Must be present if INITIAL POSITION OF THE SIGHTED VESSEL is present | WAR | Vessel geographical coordinates is not provided |
| ISR-L00-06-0036 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be present if INITIAL POSITION OF THE SIGHTED VESSEL is present | WAR | DateTime of sighted vessel position not provided |
| ISR-L01-06-0042 | DATE/TIME OF THE POSITION | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position_ Event / ObtainedOccurrenceDateTime | Must be an UTC date time according to ISO 8601 format) | WAR | DateTime of sighted vessel position not in a valid format |
| ISR-L01-06-0043 | INITIAL LOCATION OF THE SIGHTED VESSEL IN PORT | IS_Report IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +FLUX_Location /TypeCode= "LOCATION" +Identifier +Name | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-06-0092 | INITIAL LOCATION OF THE SIGHTED VESSEL IN PORT | IS_Report IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +FLUX_Location /TypeCode= "LOCATION" +Identifier +Name | ID must be in schemeID="LOCATION", value must be a UN/LOCODE | WAR | ID of PORT_OF_SURVEILLANCE not valid |
| ISR-L00-06-0058 | COURSE | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / CourseValueMeasure | Must be present | WAR | Sighted vessel course not provided |
| ISR-L01-06-0046 | COURSE | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / CourseValueMeasure | Must be a number | WAR | Sighted vessel course not numerical |
| ISR-L01-06-0047 | COURSE | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / CourseValueMeasure | Must be between 0 and 360 | WAR | Sighted vessel course not valid |
| ISR-L00-06-0059 | SPEED | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / SpeedValueMeasure | Must be present | WAR | Sighted vessel speed not provided |
| ISR-L01-06-0049 | SPEED | IS_report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / SpeedValueMeasure | Must be a number | WAR | Sighted vessel speed not numerical |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------------------------|--|---|-------------|---|
| ISR-L01-06-0050 | SPEED | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Vessel Position Event / SpeedValueMeasure | Must be >=0 | WAR | Sighted vessel speed <0 |
| ISR-L01-06-0051 | FLAG | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Registration Vessel_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-06-0052 | FLAG | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +Registration Vessel_Country | ID must be in schemeID="TERRITORY" | WAR | The sighted Vessel's Flag State value is not valid. |
| ISR-L01-06-0053 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +TypeCode | Check attribute listID. Must be VESSEL_TYPE | WAR | Invalid listID provided |
| ISR-L01-06-0054 | VESSEL TYPE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +TypeCode | TypeCode must be in listID="VESSEL_TYPE" | WAR | The sighted vessel type is not valid |
| ISR-L01-06-0055 | PORT OF REGISTRY | VesselTransportMeans / Specified. Registration_Event/ Related. Registration_Location/ TypeCode ="LOCATION" +ID | Check attribute schemeID. Must be LOCATION | WAR | Invalid schemeID provided |
| ISR-L01-06-0056 | PORT OF REGISTRY | VesselTransportMeans / Specified. Registration_Event/Related. Registration_Location/ TypeCode ="LOCATION" +ID | ID must be in schemeID="LOCATION", value must be a UN/LOCODE | WAR | Port of registry not valid |
| ISR-L02-06-0013 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ID / schemeID="CFR" | If EU-flagged vessel, CFR must be provided | WAR | EU-flagged vessel, but no CFR provided |
| ISR-L02-06-0014 | COMMUNITY FLEET REGISTER NUMBER | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ID / schemeID="CFR" | Vessel_Country must be in EU when CFR is given | WAR | CFR provided but Inspected vessel flag not in EU |
| ISR-L01-06-0057 | GEAR TYPE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +OnBoardFishingGear / TypeCode | Check attribute listID. Must be GEAR_TYPE | WAR | Invalid listID provided |
| ISR-L01-06-0058 | GEAR TYPE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +OnBoardFishingGear / TypeCode | TypeCode must be in listID="GEAR_TYPE" | WAR | Gear Type not valid |
| ISR-L01-06-0059 | NUMBER OF MASTS | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="NUMBER_OF_MASTS" +Value. Quantity +Value (text) | Must be a number | WAR | NUMBER OF MASTS not a number |
| ISR-L01-06-0060 | POSITION OF THE BRIDGE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="POSITION_OF_BRIDGE" +Value. Code +Value (text) | Check attribute listID of ValueCode. Must be ISR_POSITION_OF_BRIDGE | WAR | Invalid listID provided |
| ISR-L01-06-0061 | POSITION OF THE BRIDGE | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="POSITION_OF_BRIDGE" +Value. Code +Value (text) | ValueCode must be in listID="ISR_POSITION_OF_BRIDGE" | WAR | POSITION OF THE BRIDGE not valid |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|--------------------------|---|--|-------------|---|
| ISR-L01-06-0062 | FUNNEL LENGTH | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic / TypeCode ="FUNNEL_LENGTH" +ValueMeasure +Value (text) | Must be a number | WAR | FUNNEL LENGTH not a number |
| ISR-L01-06-0102 | TECHNICAL CHARACTERISTIC | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ApplicableTechnicalCharacteristic/TypeCode | Check attribute listID of TypeCode. Must be ISR_VESSEL_TECH_CHARACT | WAR | Invalid listID provided |
| ISR-L00-06-0040 | COMMUNICATION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="COMMUNICATION_MEANS" +Value. Code and Value (text) when "Other" | if CONTACT_WITH_THE_VESSEL is Yes, must be present | WAR | Contact with vessel but COMMUNICATION MEANS not provided |
| ISR-L01-06-0063 | COMMUNICATION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="COMMUNICATION_MEANS" +Value. Code and Value (text) when "Other" | Check attribute listID. Must be COMM_EQUIP_TYPE | WAR | Invalid listID provided |
| ISR-L01-06-0064 | COMMUNICATION MEANS | IS_Report / ISRIItemCharacteristic / TypeCode="COMMUNICATION_MEANS" +Value. Code and Value (text) when "Other" | ValueCode must be in listID="COMM_EQUIP_TYPE" | WAR | COMMUNICATION MEANS TypeCode not valid |
| ISR-L00-06-0041 | DETAILS OF COMMUNICATION | IS_Report / ISRIItemCharacteristic / TypeCode="COMMUNICATION_DETAILS" +Value (text) | if CONTACT_WITH_THE_VESSEL is Yes, must be present | WAR | Contact with vessel but details of communication not provided |
| ISR-L00-06-0042 | CONTACTED PERSON | IS_Report / VesselTransportMeans RoleCode="SIGHTED_VESSEL" / ContactParty / RoleCode="CONTACTED_PERSON" | if CONTACT_WITH_THE_VESSEL is Yes, must be present | WAR | Contact with vessel but contacted person not provided |
| ISR-L00-06-0043 | NAME | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / | If CONTACTED PERSON is present; IS_Report / ContactParty / Contact_Person must be present | WAR | Sighted vessel contacted person contact not provided |
| ISR-L00-06-0060 | NAME | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person /Given Name | Given Name Must be present | WAR | Contacted person Given Name must be present |
| ISR-L01-06-0093 | NAME | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person /Given Name | Given Name Must not be empty | WAR | Contacted person Given Name must not be empty |
| ISR-L00-06-0061 | NAME | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person /Family Name | Family name must be present | WAR | Contacted person Family Name must be present |
| ISR-L01-06-0094 | NAME | IS_Report / VesselTransportMeans / RoleCode="SIGHTED_VESSEL" +ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person /Family Name | Family name must not be empty | WAR | Contacted person Family Name must not be empty |
| ISR-L00-06-0044 | NATIONALITY | IS_Report / VesselTransportMeans RoleCode="SIGHTED_VESSEL" / ContactParty / | If CONTACTED PERSON, IS_Report / ContactParty / Contact_Person / Nationality_Country must be present | WAR | CONTACTED PERSON nationality not provided |

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|---------------|---|--|-------------|---|
| | | RoleCode="CONTACTED_PERSON" +Contact_Person / Nationality_Country | | | |
| ISR-L01-06-0065 | NATIONALITY | IS_Report / VesselTransportMeans RoleCode="SIGHTED_VESSEL" / ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Nationality_Country | Check attribute schemeID. Must be TERRITORY | WAR | Invalid schemeID provided |
| ISR-L01-06-0066 | NATIONALITY | IS_Report / VesselTransportMeans RoleCode="SIGHTED_VESSEL" / ContactParty / RoleCode="CONTACTED_PERSON" +Contact_Person / Nationality_Country | ID must be in schemeID="TERRITORY" | WAR | Sighted vessel contacted person nationality not valid |
| ISR-L01-06-0067 | RECORDS | IS_Report / ISRItemCharacteristic / TypeCode="TYPE_OF_RECORD" +ValueCode +Value (text) | Check attribute listID. Must be ISR_RECORD_TYPE | WAR | Invalid schemeID provided |
| ISR-L01-06-0068 | RECORDS | IS_Report / ISRItemCharacteristic / TypeCode="TYPE_OF_RECORD" +ValueCode +Value (text) | ValueCode must be in listID="ISR_RECORD_TYPE" | WAR | TYPE OF RECORD not valid |
| ISR-L01-06-0069 | RECORDS | IS_Report / ISRItemCharacteristic / TypeCode="TYPE_OF_RECORD" +ValueCode +Value (text) | If ValueCode=OTHER, Value (text) must not be empty | WAR | Record type is OTHER but no details given |

8.10.5. Section 5 DOCUMENTS & AUTHORISATIONS

None.

8.10.6. Section 6 GEAR

None.

8.10.7. Section 7 CATCH / PRODUCT

None.

8.10.8. Section 8 OBSERVATIONS AND COMMENTS

See section 8.4.6.

8.10.9. Section 9 SUSPECTED INFRINGEMENTS

See section 8.4.8.

8.10.10. Section 10 INSPECTION CLOSURE

| BR-ID | Business term | Entity mapping | Business rule | Fail result | Message |
|-----------------|------------------------------|--|------------------|-------------|--|
| ISR-L00-06-0045 | REPORTING OFFICIAL SIGNATURE | IS_Report / ISRIItemCharacteristic / TypeCode="REPORTING_OFFICIAL_SIGNATURE" +ValueIndicator | Must be present. | WAR | REPORTING OFFICIAL SIGNATURE not provided |

9. XML EXAMPLES

XML examples for the 3 types of ISR messages (Report, Query and Response) are provided on EFCA's FishNet e-ISR workspace. Examples include correct messages and messages with issues that shall be detected by the ISR message validation process. These messages can be used to verify the correct implementation of the business rules for the different ISR modules.

10. CODE LISTS

All code lists are published on the Master Data Register page of the European Commission Fisheries website.

The values mentioned in the tables throughout this document for the listID or schemeID attributes refer to a code list alias in the table below. This table indicates the code list name in the MDR along with a description/definition. The alias can be used to retrieve the code values using the FLUX Master Data Management specifications.

10.1. Code lists used for the FLUX ISR processes

Note: for details on the content of the below code lists, refer to the EU Master Data Register.

| Code list | Description |
|---------------------------|---|
| BOOLEAN_TYPE | Boolean type values |
| COMM_EQUIP_TYPE | Equipment types used for communications with, for example, a vessel |
| EFFORT_ZONE | Locations where effort regime applies |
| FA_DEVICE_GEAR_ATTACHMENT | Types of fishing gear equipment/attachment |
| FA_GEAR_CHARACTERISTIC | Characteristics of a fishing gear to be checked/inspected |
| FA_REASON_ARRIVAL | Purpose of prior notification by a vessel of its intent to call in a given port |
| FAO_AREA | List of FAO areas |
| FAO_SPECIES | List of codes for aquatic species as defined by FAO (3-alpha) |
| FISH_PRESENTATION | The fish presentation in FAO-3 alpha code (e.g.: whole, gutted...) |
| FISH_PRESERVATION | The fish preservation form in FAO-3 alpha code (e.g.: fresh, frozen...) |
| FISH_SIZE_CLASS | The code for under/over size: LSC (legal), BMS (undersize) |
| FLUX_CONTACT_ROLE | The role of a contact party (e.g.: inspection state, vessel owner...) |
| FLUX_FA_TYPE | The type of fishing activity (transshipment only in ISR) |
| FLUX_GP_MSG_ID | The list of possible schemeIDs for a FLUX message ID |
| ISR_GP_PARTY | The list of Parties involved in FLUX ISR |
| FLUX_GP_PURPOSE | The purpose of this FLUX message. Values: 3 (Delete); 5 (Replace); 9 (Original) |
| FLUX_GP_RESPONSE | Used in FLUX Response_Document Entity / Response. Status code: OK, NOK, WOK (OK with warnings only) |
| FLUX_GP_VALIDATION_LEVEL | Used in FLUX Response_Document / Validation_Quality Analysis Entity. Values: ERR (Error); IGN (Ignored); MAJ (Major Error); OK (Accepted); REJ (Rejected); WAR (Warning) |
| FLUX_GP_VALIDATION_TYPE | Used in FLUX Response_Document / Validation_Quality Analysis Entity. Values: L00 (Integrity Control); L01 (Data field validation); L02 (Row validation); L03 (Content validation); L04 (Extended validation); L05 (Impact assessment) |
| FLUX_LOCATION_TYPE | The type of location: address, position, location or area |
| FLUX_UNIT | The unit of a measure |
| FLUX_VEHICLE_ID_TYPE | Type of vehicle identification |
| FLUX_VESSEL_ID_TYPE | The type of vessel identification |
| GEAR_TYPE | The type of the gear in FAO 3-alpha codes |
| GFCM_GSA | Fishing areas used by GFCM |
| GFCM_INFRINGEMENT_TYPE | GFCM Classification of infringement types. |
| ICCAT_INFRINGEMENT_TYPE | ICCAT Classification of serious infringement types. |
| ISR_AREA_TYPE | The type of area classification (e.g.: FAO_AREA, STAT_RECTANGLE, TERRITORY). |
| ISR_BR | A list of all business rules with the corresponding resulting Validation Type code |
| ISR_BR_DEF | A list of all business rules with their definitions: code, level, sublevel, Applicable. field, Description, message |
| ISR_CATCH_TYPE | The type of catch/product (e.g.: onboard, discarded, recorded in logbook...) |
| ISR_CHECK | Whether a particular characteristic has been checked, not checked or is not applicable |
| ISR_CONTROL_PARTY | The list of Control Parties involved in the Inspection and Surveillance process |
| ISR_EVENT_TYPE | The type of inspection event (e.g.: presence on board) |

| Code list | Description |
|-----------------------------|---|
| ISR_GEAR_GEAR_CHARACTER | A matrix indicating which gear characteristics can/should be checked for each type of gear |
| ISR_INFRINGEMENT_CLASSIF | The infringement classification used |
| ISR_INSPECTION_PROGRAMME | The list of inspection programmes |
| ISR_ITEM_CHARACTERISTIC | Particular characteristics that are inspected/checked during an inspection |
| ISR_MANAGEMENT_REGIME | A list of management regimes, such as: RFMO, National... |
| ISR_MESH_TYPE | The type of mesh of a net |
| ISR_OBSERV_COMMENTS_TYPE | The type of observation or comment. |
| ISR_POSITION_OF_BRIDGE | The position of the bridge on a boat |
| ISR_QUERY_CONTEXT | List of values for the QUERY_CONTEXT query parameter (values: COM, PRE, JDP) |
| ISR_QUERY_PARAM | The possible parameters for a query |
| ISR_QUERY_TYPE | The type of ISR query |
| ISR_QUERY_TYPE_PARAM | A matrix indicating which query parameters can or shall be used for each combination of Query Type and Query Context. |
| ISR_RECORD_TYPE | The type of records mode during a vessel sighting (photographs, video...) |
| ISR_REPORT_CONTEXT | A code specifying a context type for this IS report, such as a National, JDP or RFMO inspection |
| ISR_REPORT_TYPE | The type of IS report (e.g.: at sea) |
| ISR_SIGHTING_DETECTION_MEAN | The means of sighting or detection used to identify a vessel during a surveillance operation (e.g.: radar, visual) |
| ISR_SURVEILLANCE_CRAFT_TYPE | The type of surveillance aircraft used during an aerial surveillance operation |
| ISR_TWINE_TYPE | The type of twine used in a net |
| ISR_VEHICLE_ROLE | The role of a vehicle (inspected vehicle for M5, surveillance craft for M6) |
| ISR_VESSEL_POSIT_EVENT_TYPE | The type of vessel position event (e.g.: surveillance vessel position) |
| ISR_VESSEL_ROLE | The role of a vessel (e.g.: patrol vessel, originating fishing vessel) |
| ISR_VESSEL_TECH_CHARACT | A list of technical vessel characteristics to be recorded during a sighting |
| LOCATION | The UN/LOCODE code of ports (Values should be taken from the "code" column of the LOCATION list (which includes correspondence with UN/LOCODE), filtered on FUNCTION=1 (meaning it is a port): http://www.unece.Org/cefact/codesfortrade/codes_index.html) |
| MANAGEMENT_AREA | locations taking place in areas e.g. managed by RFMOs |
| NAFO_INFRINGEMENT_TYPE | NAFO Classification of serious infringement types. |
| NEAFC_INFRINGEMENT_TYPE | NEAFC Classification of serious infringement types. |
| RFMO | A list of RFMOs |
| STAT_RECTANGLE | Statistical rectangles used for fisheries statistics |
| TERRITORY | ISO3 country codes |
| VEHICLE_TYPE | The type of inspected vehicle |
| VESSEL_ACTIVITY | The activity the inspected vessel was engaged in before the inspection started or when first sighted |
| VESSEL_TYPE | The type of vessel (such as stern trawler, longliner, support...) using the FAO International Standard Statistical Classification of Fishery Vessels (ISSCFV) |
| XEU_INFRINGEMENT_GROUP | XEU Classification of infringement types high level groups. |
| XEU_INFRINGEMENT_TYPE | XEU Classification of infringement types. |

11. FLUX TL ENVELOPE PARAMETERS

The following FLUX TL parameters must be used.

| Common name | FLUX TL Envelope Tag name | Value | Remark |
|------------------------|---------------------------|---|--|
| Dataflow name | DF | urn:un:unece:uncefact:fisheries:FLUX:ISR:EU:1 | According to format: urn:un:unece:uncefact:fisheries:FLUX:[domain]:[context]:[major version] |
| Timeout DateTime | TODT | Current DateTime (in UTC) +20 minutes | Value expressed as XSD DateTime in UTC |
| Acknowledge of Receipt | AR | True | This parameter indicates that FLUX TL will always return an acknowledgement of receipt when the message has been received by the FLUX TL destination node. |

| Common name | FLUX TL Envelope Tag name | Value | Remark |
|-------------|---------------------------|-------|--|
| | | | <u>Note:</u> a non-delivery message is always sent when the receiver cannot be reached, or timeout (TODT) time has been expired. |

12. VERSIONING

| Version | Author | Date |
|---------|---|------------|
| 1.0.0 | EIR Working Group | 29/04/2019 |
| 1.1.0 | EFCA - Includes final changes to XSD by UN/CEFACT group. | 13/12/2019 |
| 1.1.1 | EFCA - minor update to reflect proper cardinality of element REPORT CONTEXT (to match business rules) | 21/01/2020 |
| 1.2 | <p>EFCA - Updates to reflect extensive Implementation Document, Business Rules and Code List reviews by e-ISRWG and various corrections.</p> <p>EFCA - Update to reflect technical constraints of EU MDR on code value length in code lists (max 30 characters), as well as the fact that the ISR_INFRINGEMENT_CONTEXT code list is not used anymore. Other minor editorial updates.</p> <p>Version 1.2 is the official version published for implementation (it merges internal versions 1.1.2 and 1.1.3).</p> | 04/06/2021 |
| 1.3 | <p>Updates relevant to the following topics:</p> <ul style="list-style-type: none"> • Vessel identifier used in queries • Clarification to correction/deletion process in Implementation Document • Some ISR code lists have now been replaced by updated existing FLUX code lists. Document updated to reflect the name changes. • Allowing the use of Inspector Identification • Update to the Gear-Gear characteristic matrix • Reporting of Infringements with no infringement type • Various editorial updates to Implementation Document, Business rules and code lists. | 12/01/2022 |
| 1.3.1 | The Business Term and Entity mapping for BR ISR-L00-06-0008 have been updated: target entity was reduced to 1 single entity (previously 5) to align with Entity description. | 15/03/2022 |
| 1.4.0 | <ul style="list-style-type: none"> • Schema version updated to 22A. | 31/08/2022 |

| Version | Author | Date |
|---------|--|------|
| | <ul style="list-style-type: none"> • Editorial changes (clarifications, revision of terminology, corrections of errors etc.). • Correction regarding the exchange of IS reports between MS and EFCA in the context of JDPs: reference to the JDP decision. • Updates or corrections some business terms/entities (properties, cardinality, mapping, definition...). • Removal of redundant business rules. • Updates or corrections to some business rules, their messages and results. • Updates to code lists, to correct errors, add missing codes or switch to using an already existing MDR code list. • Removal of Appendix 1: Legal references. | |
| 1.5.0 | <ul style="list-style-type: none"> • Editorial changes • Resolution of issue Related. to catch received and transhipped in M2. • Alignment of BR Related. to logbook checks between M1 and M3 • Errors in some Business Rules • Change Related. to Query parameters (table 1, table 2, business rules) • Changes in business rules regarding IS report identification. • Use of a code list for Inspection Programme • Use of a specific code list for Control Party • Possible reporting of company for vessel owner, agent or charterer. • Change Related. to M3 producer organisation reference. • Clarification regarding the date of validity of business rules and codes • Conditions for query context JDP and Pre-Inspection • The query time frame start date might be limited to the date of entry in production of the module corresponding to the query. • New code list for GFCM Infringement categories • Clarification regarding IS report deletion and correction process. • New code regarding Ullages tables | |

| Version | Author | Date |
|---------|--|------------|
| | <ul style="list-style-type: none"> Reorganisation of the presentation of Common business rules Update section 6.2.2 to withdraw the use of Description for the description of BR failure | |
| 1.6.0 | <p><u>Clarifications</u></p> <p>Several sections of the Implementation document were clarified (no impact on IT implementation)</p> <p><u>Spelling mistakes</u></p> <p>Several corrections were made in the Implementation document (no impact on IT implementation)</p> <p><u>Errors/change in rule definition</u></p> <ul style="list-style-type: none"> - ISR-L00-01-0096 - ISR-L00-03-0080 - ISR-L01-03-0124 - ISR-L01-03-0125 - ISR-L01-00-0033 - ISR-L01-00-0034 - ISR-L01-00-0012 - ISR-L01-00-0013 <p><u>Change rule level</u></p> <ul style="list-style-type: none"> - Level of rule ISR-L03-00-0006 changed to Error - Level of rule ISR-L03-00-0011 changed to Warning - Level of rule ISR-L03-03-0001 changed to Warning - Level of rule ISR-L01-03-0002 changed to Error - Level of rule ISR-L00-01-0030 changed to Warning - Level of rule ISR-L00-06-0010 changed to Warning - Level of rule ISR-L03-00-0004 changed to Error <p><u>New rules</u></p> <ul style="list-style-type: none"> - ISR-L00-00-0056 - ISR-L01-00-0131 - ISR-L01-00-0132 - ISR-L01-00-0133 - ISR-L01-00-0134 - ISR-L01-00-0135 - ISR-L01-00-0136 - ISR-L01-00-0137 - ISR-L01-00-0138 - ISR-L01-00-0139 - ISR-L01-00-0140 - ISR-L01-00-0141 - ISR-L00-01-0128 | 08/11/2023 |

| Version | Author | Date |
|---------|---|------|
| | <ul style="list-style-type: none"> - ISR-L01-01-0105 - ISR-L01-01-0106 - ISR-L00-02-0126 - ISR-L00-03-0134 - ISR-L03-00-0142 <p><u>Removed rules:</u></p> <ul style="list-style-type: none"> - ISR-L01-00-0067 - ISR-L02-00-0004 - ISR-L01-01-0048 - ISR-L00-01-0088 - ISR-L00-02-0078 - ISR-L00-02-0086 - ISR-L00-02-0094 - ISR-L01-03-0034 - ISR-L00-03-0087 - ISR-L00-03-0095 - ISR-L00-03-0103 - ISR-L00-04-0044 - ISR-L00-05-0049 - ISR-L00-05-0061 <p><u>Code lists updated:</u></p> <ul style="list-style-type: none"> - ISR_ITEM_CHARACTERISTIC - FA_GEAR_CHARACTERISTIC - ISR_GEAR_GEAR_CHARACT - ISR_QUERY_TYPE_PARAM - MDR_ISR_GP_PARTY - MDR_XEU_INFRINGEMENT_TYPE - MDR_ISR_BR - MDR_ISR_BR_DEF | |

13. CONTACT

For questions and issues Related. to the FLUX-TL transport layer, contact DG-MARE at:

- fishfides@ec.europa.eu

For questions and issues Related. to the ISR domain, regarding data, code lists, business rules etc., contact EFCA at:

- efca@efca.europa.eu

14. APPENDICES

14.1. Validation of the IMO (UVI) number format

The IMO Number, exchanged as UVI, is an automatically assigned number that incorporates a calculated check digit.

The IMO number consists of a unique six-digit number in the range 100001 - 999999, to which is appended a seventh (calculated) check digit.

The calculation of the check digit is as follows:

- Digits 1-6 are successively (individually) multiplied by 7,6,5,4,3 and 2.
- The products of these six calculations are then totalled, and the RIGHTMOST digit of this total is the check digit.

Example:

| IMO | IMO No digits | Multiply by | Product | Check digit = | Complete IMO No. = |
|---------------|------------------|---------------------------|-----------|------------------|--------------------------|
| | | | | | |
| 222222 | 2 | 7 | 14 | 4 | 2222224 |
| | 2 | 6 | 12 | | |
| | 2 | 5 | 10 | | |
| | 2 | 4 | 8 | | |
| | 2 | 3 | 6 | | |
| | 2 | 2 | 4 | | |
| | | SUM | 54 | | |
| | | Check digit =Rightmost | 4 | | |