



UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES FOR GLOBAL BUSINESS

BUSINESS REQUIREMENTS SPECIFICATION (BRS)

FLUX - Inspection & Surveillance Report domain

Business domain: Fisheries

Business process: Electronic data exchange for fisheries control and management

Document identification: P1000-8; Inspection & Surveillance Report

Title: Fisheries Language for Universal eXchange

UN/CEFACT International Trade and Business Processes Group:

Version: 1.3.0

Document Change history log

Date of change	Version	Paragraphs changed	Summary of changes
25/02/2014	0.1.0	Initial document	E. Honoré
18/03/2014	0.1.1	6.4.1	E. Honoré: added Document Inspection Entity;
01/08/2016	0.1.2	6.2	E. Honoré: Requirements list added.
07/09/2016	0.1.3		eIR WG draft
03/10/2016	0.2.0		Re-drafting of Data Model
09/10/2016	0.2.1		MT: Editorial
14/11/2016	0.2.2		EIR TSG: review
21/11/2016	0.3.0		EH: Including TSG remarks from Dublin meeting. New Data Model.
29/11/2016	0.3.1	4.1	MT: Include further TSG remarks from Dublin
01/12/2016	0.3.2		EH: Comments on MT amendments; adding entities tables
06/12/2016	0.4.0		EH: Edinburgh meeting
19/12/2016	0.4.1		MT: Update document to include Surveillance reports
22/12/2016	0.4.2		EH: Change of entities name; Diagram & Tables updated accordingly. Entities & diagrams for Query/Response mechanism included.
12/01/2017	0.4.3		EH: Limassol meeting.
16/01/2017	0.4.4		EH: Last changes before ERS WG Meeting in Brussels on 26JAN17
FEB2017	0.4.5		EH: Adding elements not described in entities of other FLUX domains, such as Vessel, etc.
MAR2017	1.0.0		EH: First consolidated version for UN/CEFACT Forum.
APR-JUL2017	1.1.0	6.5.1: Class diagram.	EH: changes after ISR EFCA meeting at Brussels & Madrid.
AUG-NOV2017	1.2.0		EH: Update after harmonization.
December 2019	1.3.0		Olivier Roux: major update following delivery of Implementation Document and implementation of requested XSD changes by UN/CEFACT (version 20A). Updated class diagrams and Entity descriptions. Updated Query/response process

Business Requirements Specification

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1. Preamble

This BRS document builds upon the general principles set out in the P1000-1 - General Principles BRS document. It details the "Inspection & Surveillance Reports" business domain identified in P1000-1.

This BRS is standardizing the exchange between Flag States and other parties of Inspection & Surveillance Reports using the UN/CEFACT Modeling Methodology (UMM) approach and Unified Modeling Language (UML).

The structure of this document is based on the structure of the UN/CEFACT Business Requirements Specification (BRS) document reference CEFACT/ICG/005.

2. References

UN/CEFACT Modelling Methodology User Guide (CEFACT/TMG/N093)

UN/CEFACT Business Requirement Specification Document Template (CEFACT/ICG/005)

UN/CEFACT FLUX General Principles Business Requirement Specification Document

3. Objective

The objective of this document is to propose a standard for the exchange of inspection or surveillance reports between stakeholders responsible for carrying out inspections and/or surveillance in a fisheries domain.

4. Scope

As described in Figure 1, an inspector inspects a vessel, market or transport and must report the result of the inspection to national authorities and, as required, international authorities. Once the inspection of the vessel, market or transport has been completed both the inspector and inspectee sign the inspection report. Details of surveillance reports carried out by inspectors must also be reported to national and, optionally, international authorities.

This document focuses on data exchanges and the management of data related to the exchange of inspection and surveillance reports sent by inspectors to the report user, i.e. authorities such as Flag State of the Vessel, Coastal States, Regional Fisheries Organization, European Commission, etc.

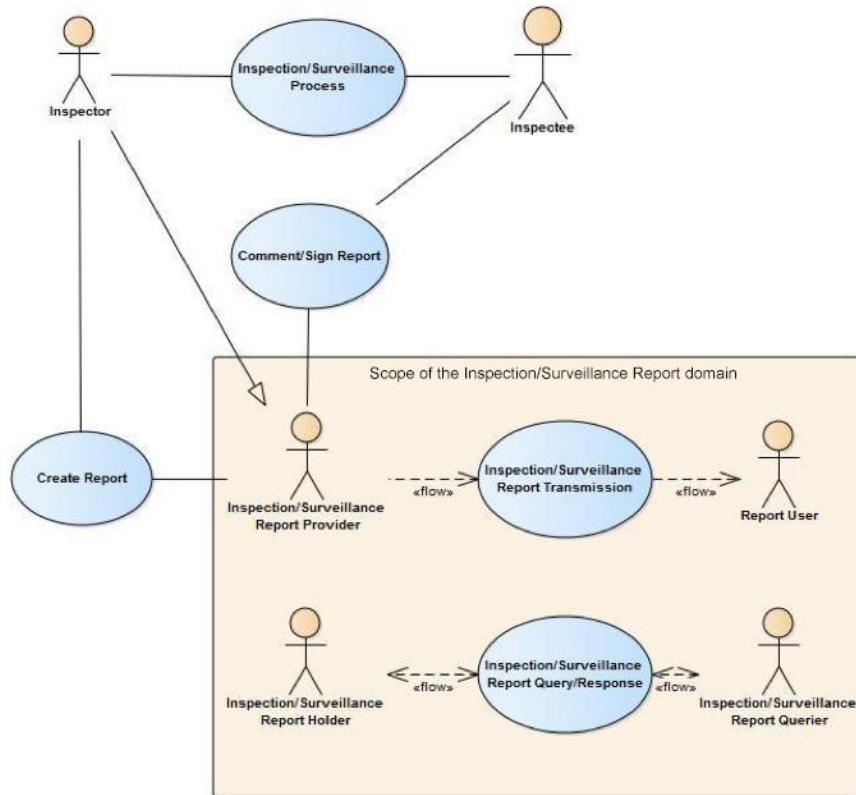


Figure 1: Inspection/Surveillance Report: general overview diagram.

Categories	Description and Values
Business Process	General Message Exchange Inspection/Surveillance Report
Product Classification	
Industry Classification	Fisheries sector
Geopolitical	Global
Official Constraints	International regulations, agreements and conventions National regulations
Business Process Role	
Supporting Role	None
System Capabilities	Agreed level of security to protect data integrity

5. Stakeholders

Inspector	The Inspector actor carries out inspections and/or surveillance and creates an inspection or surveillance report.
Inspectee	One who undergoes an inspection such as the Vessel Master, Vessel Owner, Market Place Responsible, Transporter, etc.
Report provider	The provider of an inspection or surveillance report This actor does not necessarily imply an inspector but any official entity with reporting obligation in the IR context.
Report user	Report user can be one of many actors such as the Flag State, Coastal State, Regional Fisheries Management Organization (RFMO), International Organization, etc.
Report Holder	A report provider is automatically considered as a Report Holder who can deliver on demand any information relating to an inspection report.
Report Querier	Any report user can also be a report querier in order to get the latest information contained in an Inspection Report

6. Business requirements

6.1. Business requirements view

Inspectors are mandated, under legislation, to carry out inspections and surveillance of fishing activities in certain areas. These areas could be sovereignty waters or international waters managed by Regional Fisheries Management Organisations.

The information resulting from an inspection or surveillance report is transmitted by an Inspecting Authority to the parties involved in the process, e.g. those who have to signed up or have to be notified about this inspection.

6.2. Business requirements lists

The following tables list the requirements identified for this domain.

Number	Business Requirement Statement	Business Transaction Name for this Requirement
A1	A Report Provider transmits a report of inspection and/or surveillance. It can enrich the information provided. The report can be corrected or deleted ¹ .	Transmit Inspection Report.
A2	A FLUX actor queries inspection/surveillance reports that a party holds. Some filters can be applied for retrieving reports, such as: <ul style="list-style-type: none">- Reports on a particular vessel, transport or market/premises,- Delimited period of time,- Reports provided by a particular Party,- Reports for a specified ID,- Reports for a particular area.	Query for Inspection Report.

Figure 2: Business Requirement List

Number	Data Requirement Statement
B1	An inspection/surveillance report must have a unique identifier, creation date & time and a purpose code ¹ .
B2	An inspection report shall provide inspectee information, such as a fishing vessel targeted during the inspection, the inspection vessel, a market place or a transporter.
B3	An inspection report may contain the complete description of a fishing vessel, as defined in FLUX Vessel domain ² .
B4	A message can contain more than one inspection or surveillance report (when receiving results from a query).
B5	A surveillance report may contain details of a vessel sighted at sea or at port.
B6	ID referencing to a previous report must be used for deletions, cancellations or updates. Repetition of Business Data of an Inspection Report is not required in case of cancellations or deletions.
B7	A response message to a query message may contain zero or more inspection or surveillance reports.
B8	An inspection report may contain the complete description of the Catch on board the vessel, in a market or in a transport vehicle, as defined in the FLUX Fishing Activity domain ³ .

Figure 3: Data Requirement List

6.3. Business process elaboration

6.3.1. Inspection Report message exchange

Principles

A report provider has to send the data collected during an inspection/surveillance operation to a report user.

Use case: Reporting Inspection/Surveillance Data.

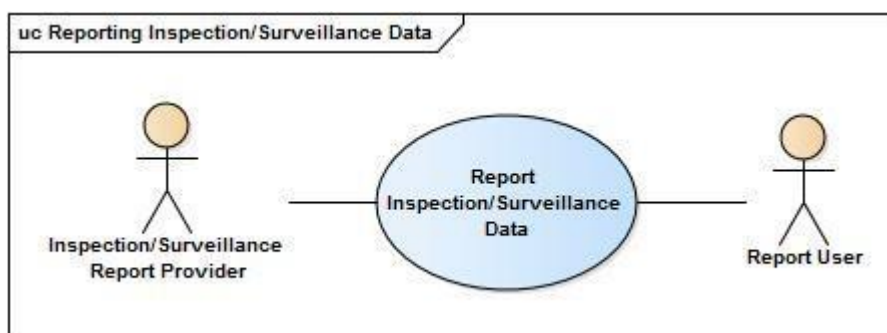


Figure 4: Reporting Inspection/Surveillance Data use case diagram

¹ FLUX General Principle rule: see FLUX P1000 – 1: General Principles BRS.

² See FLUX P1000 – 2: Fishing Vessel BRS Document.

³ See FLUX P1000 – 3: Fishing Activities BRS document

Use case description

Business process name	Inspection/Surveillance Report message transmission
Identifier	ISRMT
Actors	Report provider, report user
Description	The report provider transmits the report to a report user
Pre-condition	None
Post-conditions	None
Scenarios	None
Remarks	None

6.3.2. Query for Inspection/Surveillance Report

Principles

One party requests inspection/surveillance report information from another party who holds this information stored in a local database.

Use Case

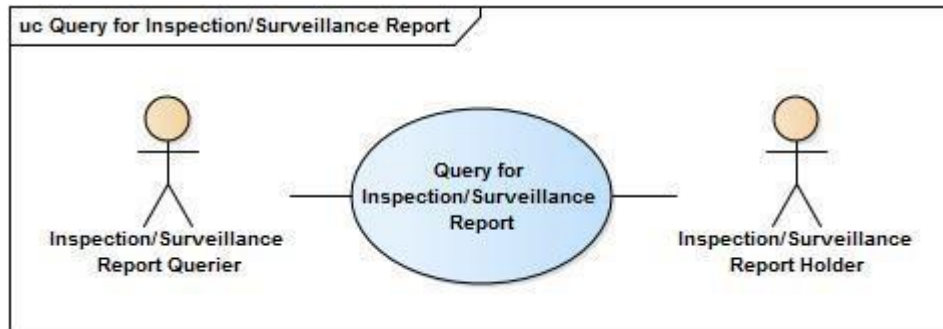


Figure 5: Use Case diagram for Query for Inspection/Surveillance Report message transmission

Business process name	Query for Inspection/Surveillance Report
Identifier	QISR
Actors	Inspection/Surveillance Report Querier, Inspection/Surveillance Report Holder
Description	A report querier sends a request to a report holder for an inspection report and retrieves it.
Pre-condition	Underlying framework to exchange FLUX business messages
Post-conditions	None
Scenarios	None
Remarks	None

6.4. Information flow definition (activity diagram, description)

6.4.1. Inspection/Surveillance Report message exchange

The activity diagram identifies all the significant information flows between the Report Provider, who has collected inspection/surveillance data, and the Report User receiving the final report

Activity Diagram

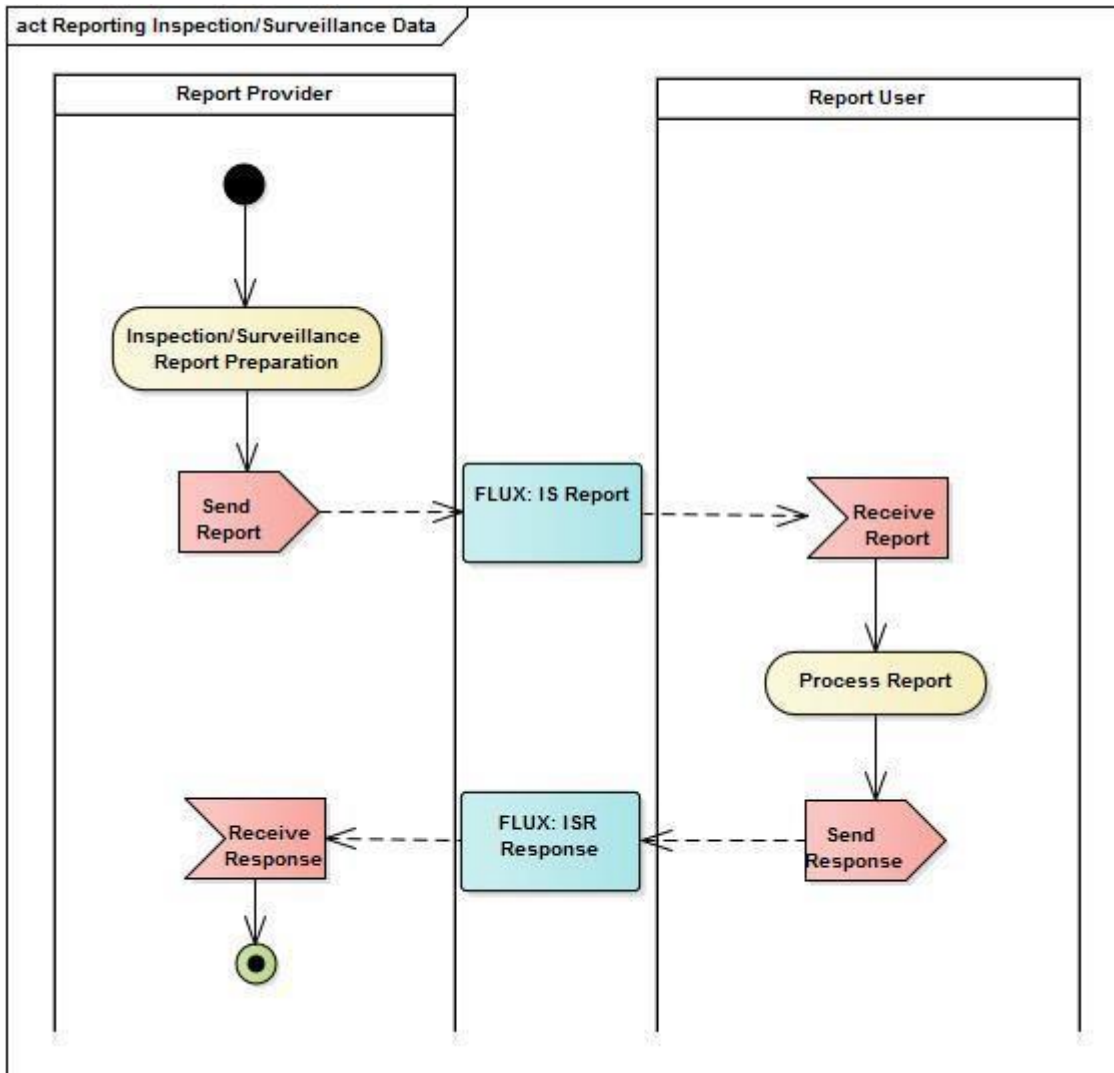


Figure 6 Inspection/Surveillance Report message transmission diagram

6.4.2. Query for Inspection/Surveillance Report message exchange

The activity diagram identifies all the significant information flows between the Inspection/Surveillance Report Holder, who has collected inspection/surveillance report data, and the Inspection/Surveillance Report Querier requesting the report information.

Activity Diagram

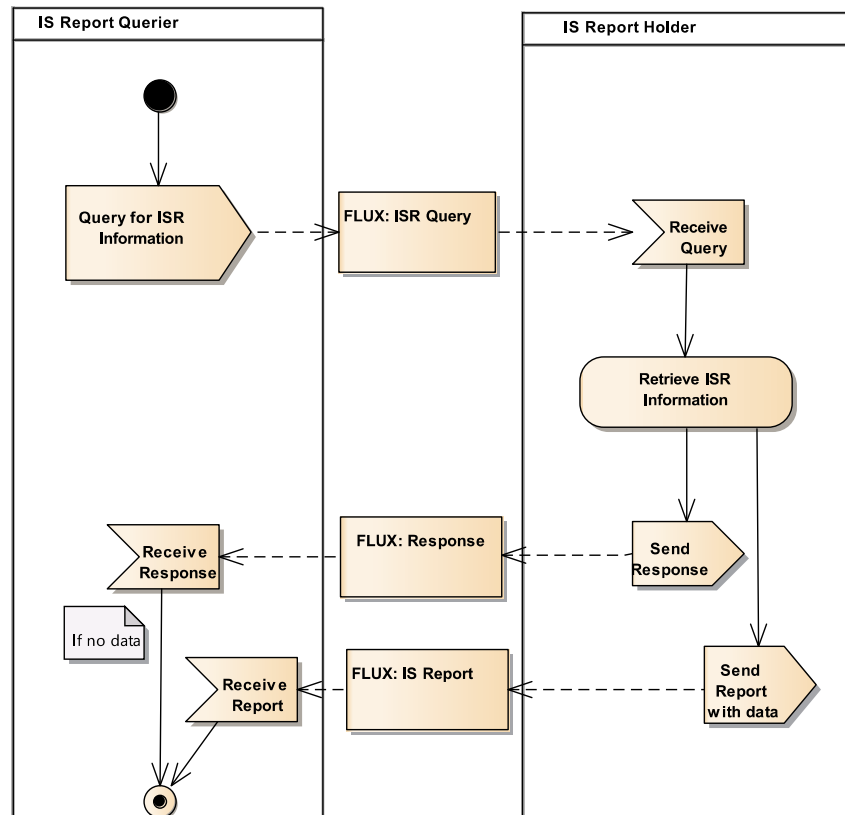


Figure 7 Query for Inspection/Surveillance Report message transmission diagram

6.5. Information model definition (class diagram)

The Class diagram describes all the necessary classes of information for a flow of information exchange for the transmission of Inspection & Surveillance Report message, as well as transmission of Inspection & Surveillance Report Query and Response messages.

Note that General Principles entities, such as FLUX Result_ Document, FLUX Report Party, Validation Result_ Document, Validation_ Quality Analysis are defined in FLUX P1000-1; General Principles BRS. The definition of entities defined as part of other FLUX domains (such as Vessel_ Transport Means or FA_ Catch) can be found in the relevant FLUX P1000 BRS documents.

Description: The type of message used when reporting about FLUX Inspection or Surveillance.

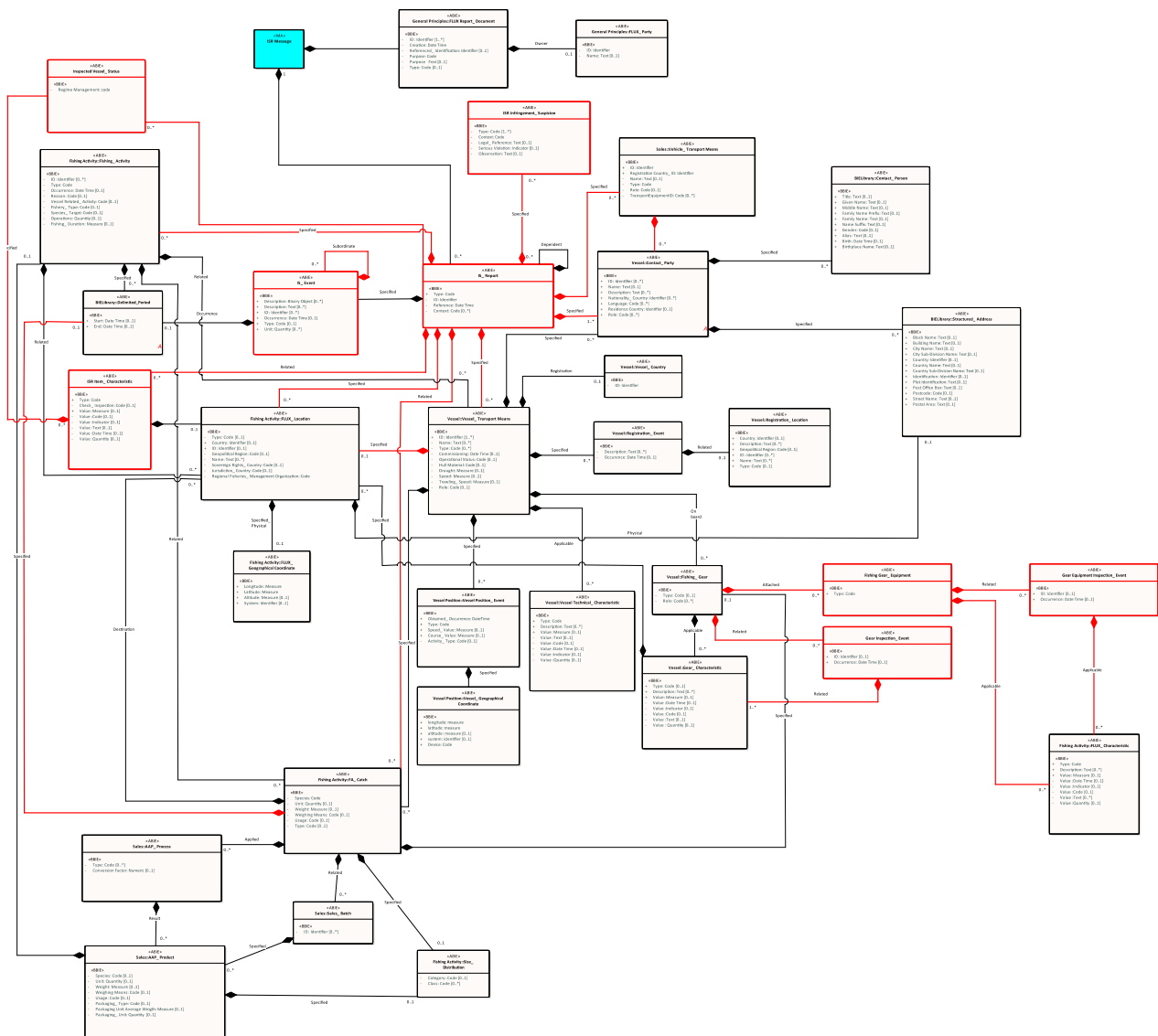


Figure 8: class diagram FLUX Inspection/Surveillance Report Message⁴

⁴ The diagram shows only entities which are necessary for this sub-domain. However, the final delivered message will also include children entities, such as *Vessel_Transport Means* 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 the relevant FLUX P1000 *BRS* documents for a complete description).

IS Report Entity

Description: The entity used to provide a compilation of information which is pertinent to an Inspection and/or Surveillance (IS).

Mult	Business Term	Rel	Type	Description
1	IS_ Report ID	Att	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]
1	Type	Att	Code	The code specifying a type of IS report, such as inspection at sea, inspection in port or surveillance report.
0..*	Context_ Type	Att	Code	A code specifying a context type for this IS report, such as inspection for an Regional Fisheries Management Organization (RFMO).
1	Reference	Att	DateTime	The date/time of "writing" of the Inspection Report.
0..1	Included	Ass	FLUX Report_ Document	The Fisheries Language Universal eXchange (FLUX) report document included in this IS report.
1	Specified	Ass	IS_ Event	The inspection or surveillance event specified in this IS report.
0..*	Specified	Ass	Vessel_ Transport Means	A vessel transport means specified in this IS report.
0..*	Specified	Ass	Vehicle_ Transport Means	A vehicle transport means specified in this IS report.
1..*	Specified	Ass	Contact_ Party	A contact party specified in this IS report.
0..*	Related	Ass	ISR Item_ Characteristic	An Inspection or Surveillance Report (ISR) item characteristic related to this IS report.
0..*	Dependent	Ass	IS_ Report	A report dependent to this IS report.
0..*	Specified	Ass	Fishing_ Activity	A fishing activity specified in this IS report.
0..*	Specified	Ass	FLUX_ Location	A Fisheries Language Universal eXchange (FLUX) location specified in this IS report.
0..*	Related	Ass	FA_ Catch	A Fishing Activity (FA) catch related to this IS report.
0..*	Related	Ass	ISR Infringement_ Suspected	Suspected infringements noted during the inspection/surveillance
0..*	Specified	Ass	Inspected Vessel_ Management Status	The status of the inspected vessel under a given management regime, specifically for ISR, an RFMO: RFMO ID, on authorized list, on IUU list

ISR Item Characteristic Entity

Description: Entity used to provide information on an attribute or aspect of an item or object related to an Inspection or Surveillance Report (ISR), such as an indicator specifying whether a Fishing Logbook is completed.

Mult	Business Term	Rel	Type	Description
1	Type	Att	Code	The code specifying a type of ISR item characteristic.
0..*	Description	Att	Text	A textual description of this ISR item characteristic.
0..1	Check_Inspection	Att	Code	A code indicating whether the item or object has been checked by the inspectors (yes, no, not applicable)
0..1	Value	Att	Measure	The value, expressed as a measure, for this ISR item characteristic.
0..1	Value	Att	Date Time	The value, expressed as a date, time, date time, or other date time value, of this ISR item characteristic.
0..1	Value	Att	Indicator	The value, expressed as an indicator, for this ISR item characteristic.
0..1	Value	Att	Code	The code specifying a value of this ISR item characteristic.
0..*	Value	Att	Text	A value, expressed as text, of this ISR item characteristic.
0..1	Value	Att	Quantity	The value, expressed as a quantity, for this ISR item characteristic.
0..1	Value	Att	Numeric	The value, expressed as a number, for this ISR item characteristic.
0..*	Specified	Ass	FLUX_Location	A Fisheries Language Universal eXchange (FLUX) location specified for this ISR item characteristic.

IS Event Entity

Description: The entity used to provide information about a significant occurrence or happening related to an Inspection or Surveillance (IS) operation.

Mult	Business Term	Rel	Type	Description
0..1	Identification	Att	Identifier	The identifier for this IS event.
0..*	Description	Att	Text	The description of this IS event.
0..1	Occurrence	Att	Date Time	The date, time, date time, or other date time value of the occurrence of this IS event.
0..1	Type	Att	Code	The code specifying the type of IS event.
0..1	Occurrence	Ass	Delimited_Period	The delimited period of time during which this IS event occurs.
0..*	Subordinate	Ass	IS_Event	An IS event subordinate to this IS event.

Vessel Transport Means Entity

Description: Entity containing the identification and characteristic information of a ship or boat.⁵

Mult	Business Term	Rel	Type	Description
1..*	Identification	Att	Identifier	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.
0..*	Name	Att	Text	A name, expressed as text, of this transport means vessel.
0..1	Registration Country	Ass	Vessel_ Country	The country ("flag") where the vessel is registered
0..1	Role	Att	Code	The code specifying the role of this vessel transport means.
0..*	Specified	Ass	FLUX_ Location	A Fisheries Language Universal eXchange (FLUX) location specified for this vessel transport means.
0..*	Specified	Ass	Vessel Position_ Event	A position event specified for this vessel transport means.
0..*	Applicable	Ass	Vessel Technical_ Characteristic	A technical characteristic applicable to this transport means vessel.
0..*	On Board	Ass	Fishing_ Gear	Fishing gear which is on board this transport means vessel.
0..*	Specified	Ass	FA_ Catch	A Fishing Activity (FA) catch specified for this vessel transport means.

Fishing Gear Entity

Description: Entity used to provide information on the gear which is used for fishing.⁶

Mult.	Business Term	Rel.	Type	Description
0..1	Type	Att	Code	The code specifying the type of fishing gear.
0..*	Illustrate	Ass	FLUX_ Picture	A Fisheries Language for Universal eXchange (FLUX) picture illustrating this fishing gear.
0..*	Applicable	Ass	Gear_ Characteristic	A characteristic applicable to this fishing gear.
0..*	Related	Ass	Gear Inspection_ Event	A gear inspection event related to this fishing gear.
0..*	Attached	Ass	Fishing Gear_ Equipment	Equipment attached to this fishing gear.

⁵ For clarity, the Vessel_ Transport Means Entity table contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000-2 Vessel BRS document.

⁶ For clarity, the Fishing_ Gear Entity table contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000-2 Vessel BRS document.

Gear Inspection Event Entity

Description: The entity used to provide information about a significant occurrence or happening related to an inspection of a gear.

Mult	Business Term	Rel	Type	Description
0..*	Identification	Att	Identifier	An identifier for this gear inspection event.
0..*	Description	Att	Text	A textual description of this gear inspection event.
0..1	Occurrence	Att	Date Time	The date, time, date time, or other date time value of the occurrence of this gear inspection event.
0..1	Occurrence	Ass	Delimited_Period	The delimited period of time during which this gear inspection event occurs.
0..*	Related	Ass	Gear_Characteristic	A characteristic of a gear related to this gear inspection event.

Fishing Gear Equipment Entity

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

Mult	Business Term	Rel	Type	Description
0..1	Type	Att	Code	The code specifying the type of fishing gear equipment.
0..*	Applicable	Ass	FLUX_Characteristic	A characteristic applicable to this fishing gear equipment.
0..*	Related	Ass	Gear Equipment Inspection_Event	A gear equipment inspection event related to this fishing gear equipment.

Gear Equipment Inspection Event Entity

Description: The entity used to provide information about a significant occurrence or happening related to an inspection of a gear attachment/equipment.

Mult	Business Term	Rel	Type	Description
0..*	Identification	Att	Identifier	An identifier for this gear equipment inspection event.
0..*	Description	Att	Text	A textual description of this gear equipment inspection event.
0..1	Occurrence	Att	Date Time	The date, time, date time, or other date time value of the occurrence of this gear equipment inspection event.
0..1	Occurrence	Ass	Delimited_Period	The delimited period of time during which this gear equipment inspection event occurs.
0..*	Related	Ass	FLUX_Characteristic	A characteristic of a gear equipment related to this gear equipment inspection event.

FLUX Characteristic Entity

Description: The entity used to provide information about the characteristics of a Gear attachment/equipment (including the characteristics controlled by Inspectors during an inspection).

Mult	Business Term	Rel	Type	Description
1	Type	Att	Code	The type of gear equipment characteristic
0..*	Description	Att	Text	A textual description of this gear equipment characteristic.
0..1	Value	Att	Measure	The value, expressed as a measure, for this gear equipment characteristic.
0..1	Value	Att	Date Time	The value, expressed as a date, time, date time, or other date time value, of this gear equipment characteristic.
0..1	Value	Att	Indicator	The value, expressed as an indicator, for this gear equipment characteristic.
0..1	Value	Att	Code	The code specifying a value of this gear equipment characteristic.
0..*	Value	Att	Text	A value, expressed as text, of this gear equipment characteristic.
0..1	Value	Att	Quantity	The value, expressed as a quantity, for this gear equipment characteristic.

Fishing Activity Entity

Description: An action taken by a person or group during a fishing trip.⁷

Mult.	Business Term	Rel.	Type	Description
0..*	Related	Ass	FLUX_ Location	A Fisheries Language for Universal eXchange (FLUX) location related to this fishing activity.
0..*	Related	Ass	Vessel_ Transport Means	A vessel transport means related to this fishing activity.
0..*	Specified	Ass	FA_ Catch	A Fishing Activity (FA) catch specified for this fishing activity.

Delimited Period Entity

Description: Entity use to provide information of a period of time from a start date time onwards up to an end date time.

Mult.	Business Term	Rel.	Type	Description
0..1	Start	Att	Date Time	The date, time, date time or other date time value for the start of this delimited period.
0..1	End	Att	Date Time	The date, time, date time or other date time value for the end of this delimited period.
0..1	Duration	Att	Measure	The measure of the length of time for this delimited period such as hours, days, weeks, months or years.

⁷ For clarity, the *Fishing Activity Entity* table presented in this document contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000- 3 Fishing Activity (FA) BRS document.

FLUX Location Entity

Description: Entity providing information of a physical location or place defined for Fisheries Language for Universal eXchange (FLUX), such as a port or a region at sea.⁸

Mult	Business Term	Rel	Type	Description
0..1	Type	Att	Code	The code specifying the type of FLUX location.
0..1	Country	Att	Identifier	The identifier of a country for this FLUX location.
0..1	Identification	Att	Identifier	The identifier for this FLUX location, such as a United Nations Location Code (UNLOCODE).
0..*	Name	Att	Text	A name, expressed as text, for this FLUX location.
0..1	Specified_ Physical	Ass	FLUX_ Geographical Coordinate	Geographical coordinate information specified for this FLUX location.
0..*	Postal	Ass	Structured_ Address	Structured postal address information for this FLUX location.
0..1	Physical	Ass	Structured_ Address	The structured physical address information for this FLUX location.

Contact Party Entity

Description: An individual, a group, or a body having a role as a contact.⁹

Mult.	Business Term	Rel.	Type	Description
0..*	Identification	Att	Identifier	A unique identifier of the contact party.
0..1	Name	Att	Text	The name, expressed as text, for this contact party.
0..*	Description	Att	Text	A textual description of this contact party.
0..*	Nationality_ Country	Att	Identifier	A unique country of nationality identifier for this contact party.
0..*	Role	Att	Code	A code specifying the role of this contact party.
0..*	Specified	Ass	Structured_ Address	A structured address specified for this contact party.
0..*	Specified	Ass	Contact_ Person	A specified person for this contact party.

⁸ For clarity, the *FLUX Location Entity* table presented in this document contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000-2 Vessel BRS document.

⁹ For clarity, the *Contact Party Entity* table presented in this document contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000-3 Fishing Activity BRS document.

FA Catch Entity

Description: Fishing Activity (FA) information about the species and quantity of an aquatic animal or plant.¹⁰

Mult.	Business Term	Rel	Type	Description
1	Species	Att	Code	The code specifying the species of this FA catch, such as the Food and Agriculture Organization (FAO) code.
0..1	Unit	Att	Quantity	The quantity of fish units for this FA catch.
0..1	Weight	Att	Measure	The measure of the weight of this FA catch.
0..1	Usage	Att	Code	The code specifying a usage for this FA catch, such as commercial or discard.
0..1	Type	Att	Code	The code specifying a type for this FA catch, such as retained on board or discarded.
0..1	Specified	Ass	Size_ Distribution	The size distribution specified for this FA catch.
0..*	Applied	Ass	AAP_ Process ¹¹	An Aquatic Animal or Plant (APP) process applied to this FA catch.
0..*	Related	Ass	Sales_ Batch	A sales batch related to this FA catch.
0..*	Specified	Ass	FLUX_ Location	A Fisheries Language for Universal eXchange (FLUX) location specified for this FA catch.
0..*	Applicable	Ass	FLUX_ Characteristic	A Fisheries Language for Universal eXchange (FLUX) characteristic applicable to this FA catch.

¹⁰ For clarity, the *FA Catch Entity* table presented in this document contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000- 3 Fishing Activity (FA) BRS document.

¹¹ The definition of entities such as AAP_ Process, AAP_ Product, Sales_ Batch are defined in FLUX P1000-5; Sales BRS document.

Vehicle Transport Means Entity

Description: Entity used to provide information of the identification and registration of a vehicle, such as a car, truck or lorry.¹²

Mult.	Business Term	Rel.	Type	Description
1	ID	Att	Identifier	The main identifier of this vehicle transport mean (e.g.: car or truck license plate number).
1	Registration Country_ID	Att	Identifier	The identifier of the country of registration for this vehicle transport means.
0..1	Name	Att	Text	The name, expressed as text, of this vehicle transport means.
1	Type	Att	Code	The code specifying a type of vehicle transport means.
0..1	Role	Att	Code	The role of this vehicle transport means (e.g.: inspected vehicle, surveillance vehicle...)
0..*	TransportEquipmentID	Att	Identifier	The identifier of any "trailer" attached to the vehicle (trailer for a truck, wagons for a train).
0..*	Owner	Ass	Contact_Party	The Contact party owning this vehicle transport means.
0..1	Driver	Ass	Contact_Party	The Contact party driving this vehicle transport means.

ISR Infringement Suspicion Entity

Description: Entity used to provide information on potential infringements noted by Inspectors during an Inspection or surveillance.

Mult.	Business Term	Rel.	Type	Description
1..*	Type	Att	Code	The code specifying the type(s) of this suspected infringement.
1	Context	Att	Code	The code specifying the context of this suspected infringement.
0..1	Legal_ Reference	Att	Text	The description of the law, regulation, etc. relevant to this suspected infringement
0..1	Observation	Att	Text	Observations noted by the inspectors during the inspection related to this suspected infringement (e.g. documents collected, seals, description of the infringement...)
0..1	Serious Violation	Att	Indicator	Whether or not this suspected infringement is a potential serious violation under the relevant regulations.

¹² For clarity, the *Vehicle Transport Means Entity* table presented in this document contains only elements used in the context of this domain. The complete description of the entity and associated entities is defined in FLUX P1000-5 Sales BRS document.

Inspected Vessel Status

Description: Entity used to provide information on the status of the inspected vessel under an RFMO regime.

Mult	Business Term	Rel	Type	Description
1	Regime Management	Att	Code	The code specifying the management regime (i.e.: RFMO) under which this status is defined.
0..1	RFMO vessel identifier	Ass	ISR Item_ Characteristic	The vessel's unique identifier given by the relevant RFMO
0..1	RFMO vessel on authorized list	Ass	ISR Item_ Characteristic	Whether the vessel is on the list of authorized vessels maintained by the relevant RFMO
0..1	RFMO vessel on IUU list	Ass	ISR Item_ Characteristic	Whether the vessel is on the list of IUU vessels maintained by the relevant RFMO

6.5.2. Query for Inspection and/or Surveillance Reports Declaration:

Description: The message for querying for Inspection and/or Surveillance Report (ISR) documents.

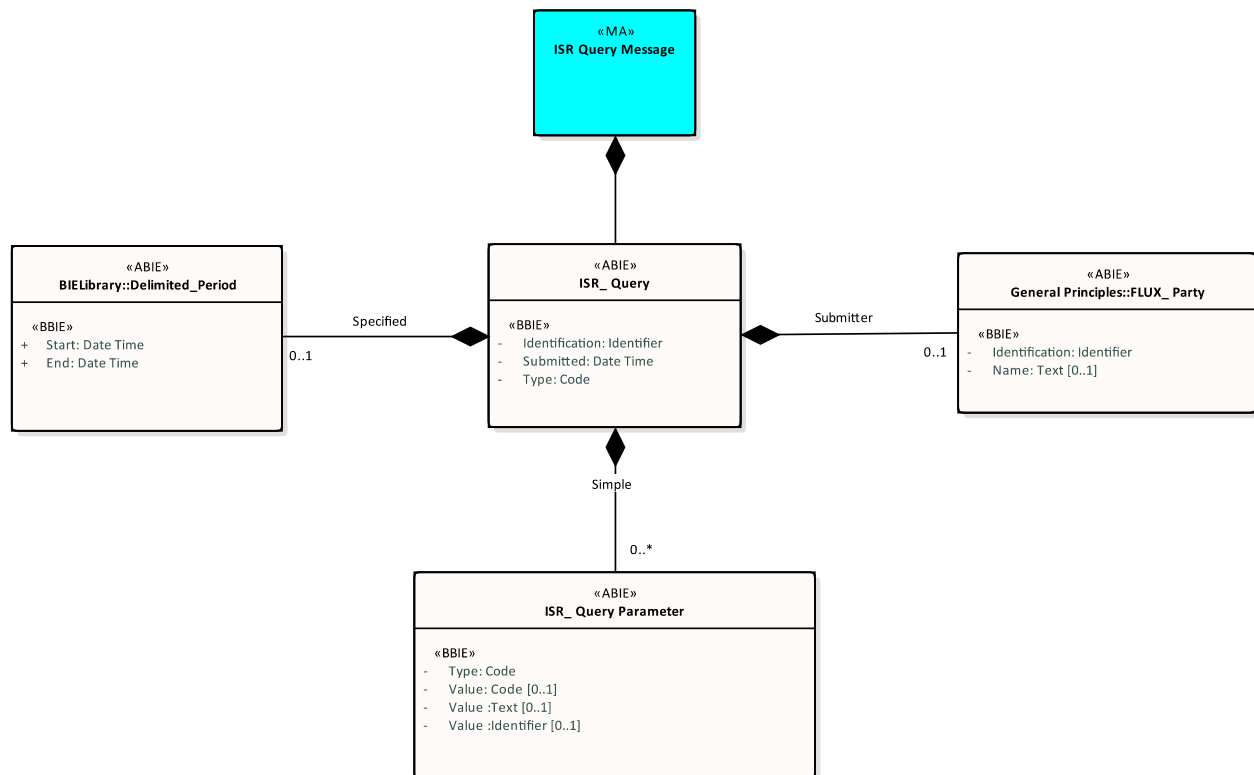


Figure 9: Class Diagram for Inspection and/or Surveillance Report (ISR) Query message.

ISR Query Entity

Description: Entity containing a formally raised question or request for information for an Inspection and/or Surveillance Report (ISR) document.

Mult	Business Term	Rel	Type	Description
1	Identification	Att	Identifier	The identifier for this ISR query.
1	Submitted	Att	Date Time	The date, time, date time, or other date time value when this ISR query was submitted.
1	Type	Att	Code	The code specifying the type of ISR query.
0..1	Submitter	Ass	FLUX_ Party	The Fisheries Language for Universal eXchange (FLUX) party that submitted this ISR query.
0..1	Specified	Ass	Delimited_ Period	The delimited period specified for this ISR query.
0..*	Simple	Ass	ISR_ Query Parameter	A simple query parameter for this ISR query.

ISR Query Parameter Entity

Description: Entity containing information that limits or restricts the scope of an Inspection and/or Surveillance Report (ISR) query.

Mult.	Business Term	Rel.	Type	Description
1	Type	Att	Code	The code specifying the type of ISR query parameter.
0..1	Value	Att	Code	The value, expressed as a code, for this ISR query parameter.
0..1	Value	Att	Date Time	The value, expressed as a date, time, date time, or other date time value, for this ISR query parameter.
0..1	Value	Att	Identifier	The value, expressed as an identifier, for this ISR query parameter.

6.5.3. FLUX Inspection and/or Surveillance Report (ISR) Response message:

Description: A Fisheries Language for Universal eXchange (FLUX) message for responding to Inspection and/or Surveillance Report (ISR) transmission or a query for ISR information¹³. It is the same as an ISR Message, but includes validation information.

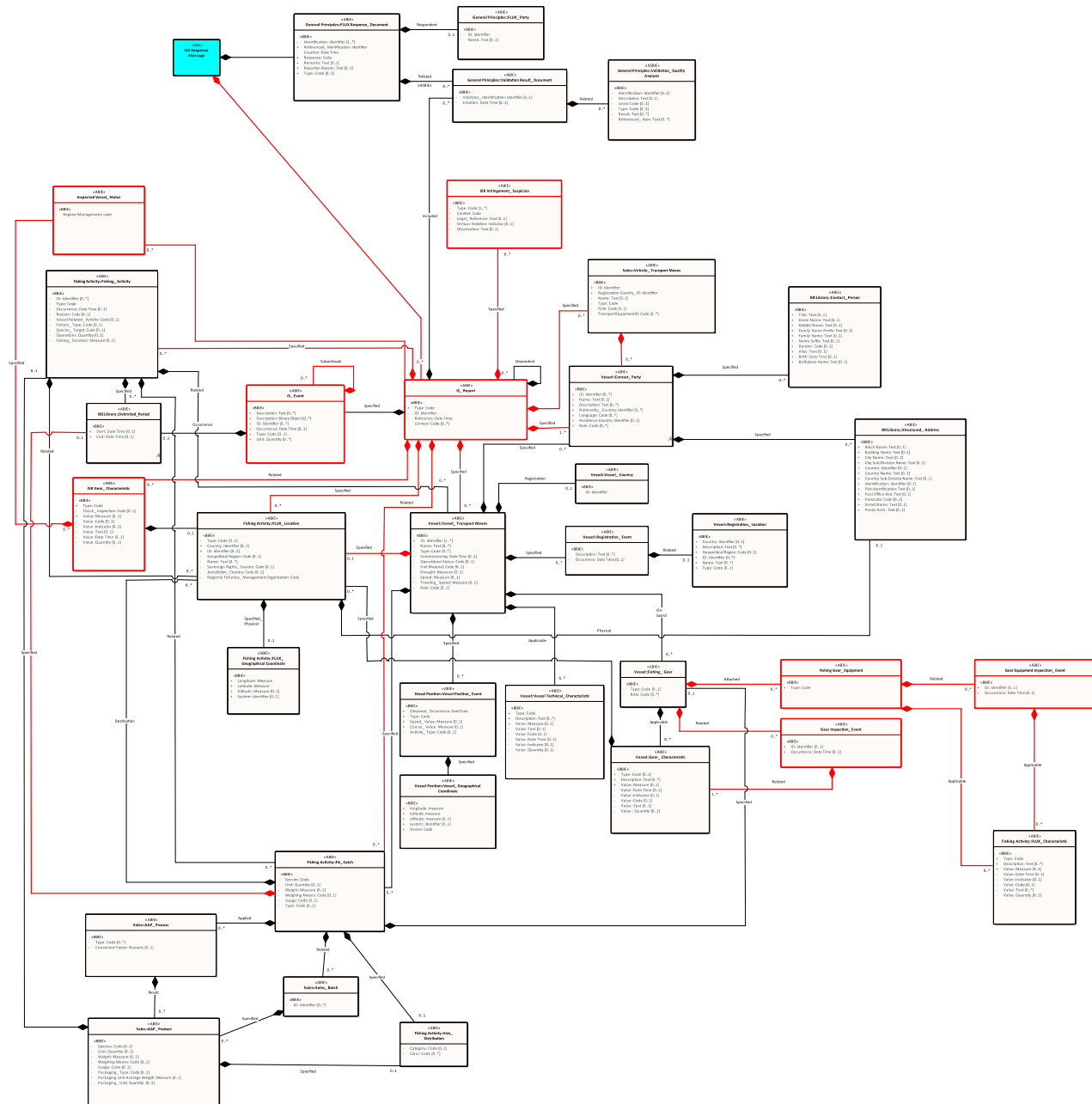


Figure 10: Class Diagram for FLUX Inspection and/or Surveillance Report (ISR)

¹³ All entities used for *FLUX* Inspection and/or Surveillance Report (ISR) Response message are defined above in ISR Reports message declaration. General Principles entities, such as *FLUX_Response*; *FLUX_Party*, are defined in *FLUX P1000-1; general principles BRS* document.