## TECHNICAL SPECIFICATION FOR PRODUCTS AND SERVICES

**DESCRIPTION OF THE SUBJECT OF THE CONTRACT**

## DEFINITIONS

**Client** means LTG Link UAB.

**Supplier** means an economic entity, including a natural person, private legal person, public legal person, other organisations and their subdivisions or a group of such persons, with whom the Buyer / Company / Client concludes the Contract.

**Products** means wheelchair lifts for rail transport (**Product**).

**Services** means the installation of lifts and adaptation of existing boarding steps for a 550 mm high railway platform on a PESA 620MC railcar.

**Contract** means the Contract concluded between the Supplier and the Client on the Subject of the Contract.

## SUBJECT OF THE CONTRACT

* 1. Installation of lifts for wheelchair users and adaptation of the existing boarding steps for a 550 mm high railway platform on a PESA 620MC rolling stock (the **Subject of the Contract**).
  2. The Subject of the Contract is not subdivided into lots.
  3. **The items and quantities of the Subject of the Contract are indicated in the table in Annex 1 to the Tender Form.**

## REQUIREMENTS FOR THE SUBJECT OF THE CONTRACT

* 1. **General requirements for the Products:**
     1. If the Technical Specification specifies a particular type, model, brand, applicable standard or other specific descriptive information for the Products to be purchased, the Buyer shall accept an **equivalent product** that meets the parameters or applicable standards of the products specified in the Technical Specification. The Supplier undertakes to provide/justify/prove equivalence with the item specified in the document.

Where equivalent products are offered, their characteristics must not be inferior (i.e. the same or better) to the requirements of the procurement documents, and the proposed equivalent products must be capable of being used for their intended purpose without any restrictions (including but not limited to those listed):

• without additional changes to the interfacing elements;

• their use will not lead to accelerated wear, failure and/or loss of warranty of the interfacing elements;

• the expected service life is not shorter;

• no lesser level of technical progress.

* + 1. The Products must be new, unused and without physical or functional defects.
    2. The Products (including their manufacturers) must not pose a threat to national security, as specified in the Procurement Documents.
    3. The manufacturer's warranty ensures after-sales service of **24** months after signing the Product Handover and Acceptance Certificate.
    4. The technical design must include the following parts:
       1. General part:
       - Design description and objectives;
       - Applicable regulatory framework.
       1. Technical solutions:
       - Changes to the train design (e.g. chassis, body, interior fittings);
       - Circuits and algorithms for electrical and control systems;
       - Safety and alarm systems;
       - Bill of materials, analogues, technical specifications, parameter limits;
       - Drawings, structural resistance calculations, normative base.
       1. Ergonomics and passenger comfort:
       - Modernisation of the train's interior and interior equipment;
       - Solutions for passengers with reduced mobility.
       1. Technological processes and installation instructions:
       - Technology behind the modernisation work;
       - Collection procedures.
       1. Operating conditions:
       - Operating instruction;
       - Maintenance instruction;
       - Periodic inspection schedules and technology cards;
       - Disposal procedures.
       1. Safety and risk analysis:
       - Risk assessment;
       - Test procedures;
       - Compliance with safety standards.
    5. The lifts shall comply with the requirements of point 5.3.2.10, Boarding aids: on-board lifts, of COMMISSION REGULATION (EU) No 1300/2014 on the technical specifications for interoperability relating to accessibility of the Union's rail system for persons with disabilities and persons with reduced mobility;
    6. The working lifting height of the lifts shall ensure safe boarding/ deboarding of passengers at 200 mm and 550 mm high platforms;
    7. The lifting height of the lift shall be at least 1200 mm;
    8. The lift shall have the CE marking.
    9. The installation and testing of the lifts shall take place during the term of the Contract in accordance with an agreed schedule.
  1. **Technical requirements for the Products:**

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| **Item No** | **Technical and functional requirements** | **Size, condition** |
| 1. Lift for wheelchair users | | | |
|  | Lifting capacity | No less than 300 kg |
|  | Version | Left and right |
| 1.3. | Lifting platform size | No less than 800x1200 mm |
| 1.4. | Lifting height | No less than 1200 mm |

* 1. **Requirements for the Services**
     1. The Services must not pose a threat to national security as specified in the Procurement Documents.
     2. The Supplier shall draw up and agree with the Client a design for the installation of the Lifts.
     3. The installation of lifts in the passenger compartment is not expected to have a significant impact on the existing seating capacity of the PESA 620MC railcar (91 seats). A reduction in seating capacity of up to 2% is permitted. The number of seats with folding seats shall not exceed 5% of the total number of seats.
     4. The lifts shall be installed in the passenger compartment of the PESA 620MC railcar at the boarding/ deboarding door, where wheelchair users are accommodated.
     5. Lifts must be installed in such a way as to allow passengers to board and deboard on both sides of the train.
     6. The installation of a lift must be carried out in accordance with a design agreed with the Client.
     7. On the outside of the vehicle, on boarding doors equipped with lifts, there shall be an additional emergency call button for passengers using a wheelchair.
     8. The centre point of the emergency call button control shall be at a height of 800-850 mm measured vertically from the surface of the platform of a height of 200 mm.
     9. The emergency call button control shall provide an audible signal to the driver's cab.
     10. After installation, the Lifts shall be tested in accordance with the Supplier's test methodology.
     11. When not in use, the on-board lift must not interfere with the safe boarding and deboarding of other passengers.
     12. The rolling stock must be equipped with a special place for a passenger using a wheelchair. The wheelchair must be secured in this position to ensure the safe transport of the passenger. The rear of the seat shall be fitted with a support or other suitable structure not less than 700 mm wide to ensure the stability and safety of the occupant during movement of the vehicle.
     13. The passenger compartment shall be equipped with a self-access emergency call button in the passenger compartment, next to the space reserved for a passenger using a wheelchair.
     14. The centre point of the emergency call button control shall be at a height between 600 mm and 800 mm measured vertically from the floor surface of the vehicle compartment.
     15. All necessary preparatory and interior restoration work must be carried out, including but not limited to:
         1. Disassembly, adaptation and installation of glass partitions;
         2. Removal, modification and installation of new armrests;
         3. Seat removal, modification and installation of fixing points;
         4. Ceiling dismantling for wiring;
         5. Dismantling and rebuilding of flooring and stairs;
         6. Disassembly, modification, installation and restoration of the panel and armrest of a folding door opening;
         7. Dismantling and modification of floor structures;
         8. Electrical installation and mechanical work;
         9. Alignment of the lift control with the on-board door control system;
         10. Wiring to power and control the lift;
         11. Fabrication and installation of a support bracket for the lift;
         12. Trial installation and customisation of the lift;
         13. Retrofitting a thermal curtain;
         14. Other related work.
     16. Lifts shall be installed in such a way as to ensure compliance with the requirements of point 4.2.2.6, Clearways, of Commission Regulation (EU) No 1300/2014 on the technical specifications for interoperability relating to accessibility of the Union's rail system for persons with disabilities and persons with reduced mobility;
     17. The Supplier shall prepare and agree with the Client a technical design for the adaptation of steps to 550 mm high platforms.
     18. The steps of the railcar (a step is a retractable device built into rolling stock below the internal stairs) shall be suitable for the boarding and deboarding of passengers at 550 mm high platforms and shall be in accordance with the requirements laid down in point 4.2.2.11, Step position for vehicle access and egress, of COMMISSION REGULATION (EU) No 1300/2014 on the technical specifications for interoperability relating to accessibility of the Union's rail system for persons with disabilities and persons with reduced mobility.
     19. The electrical control circuits of the railcar shall not be affected by the steps adaptation work.
     20. The work to adapt the stairs shall not prejudice the requirements of the approved vehicle gauge 1-T to GOST 9238-83 for the upper and lower parts.
     21. The adaptation of the steps shall be carried out without modifying the original structure of the step cassette mounting frame as designed and installed by the rolling stock manufacturer. All modifications must be compatible with the existing structure and must not affect the mechanical integrity or safety parameters of the frame.
     22. The mounting of the step cassettes shall provide a minimum vertical load of 300 kg at any point on the plane of the step.
     23. The steps shall not touch the 550 mm high platform in the stretched-out position.
     24. The adaptation of steps shall be carried out in accordance with a technical design agreed with the Client.
     25. For step adaptation, all necessary preparatory and finishing restoration work shall be carried out, including, but not limited to, the following: dismantling, modification, painting, assembly, etc. of rolling stock assemblies and mechanisms.
     26. The Services shall be covered by a warranty of not less than 24 months from the date of signing of the Handover and Acceptance Certificate for the Service.
     27. Interior finishes and similar renovation work must be carried out using materials of a quality not inferior to that of the previous installation.
     28. The Supplier must be certified according to EN 15085 (or equivalent)

## DOCUMENTS SUBMITTED TOGETHER WITH THE TENDER

* 1. ***In order to demonstrate the conformity of the products offered by the Supplier with the requirements of the technical specification, the tender must be accompanied by documentation from the manufacturer of the products (digital copies of the technical specification and/or catalogues and/or declarations and/or descriptions and/or brochures, etc.). If the relevant documents are issued in a language other than the required one, they must be accompanied by a translation into Lithuanian.***

## DOCUMENTS SUBMITTED DURING THE PERFORMANCE OF THE CONTRACT

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| **Item No** | **Name** | **Content and format requirements** | **Moment of submission** |
|  | Technical design for the installation of a lift for wheelchair users | Submitted electronically, in Lithuanian or English. | After the Services have been provided |
|  | Technical design for the adaptation of a step to a 550 mm platform | Submitted electronically, in Lithuanian or English. | After the Services have been provided |
|  | Submit all documentation required for the Safety Conformity Assessment (ASBO report) | Submitted electronically, in Lithuanian or English. | After the Services have been provided |
|  | Service Handover and Acceptance Certificate | Submitted electronically, in Lithuanian or English. | After the Services have been provided |

**FULFILMENT OF OBLIGATIONS**

## PROCEDURES FOR THE DELIVERY OF PRODUCTS / PROVISION OF SERVICES

* 1. The technical designs must be ready within a maximum of 40 (forty)calendar daysfrom the date of entry into force of the Contract.
  2. The technical designs shall be agreed with the Client within 10 (ten) calendar days.
  3. The place of service is Švitrigailos g. 39A, Vilnius.
  4. The Client shall place a service order 10 (ten) calendar days prior to the start of the scheduled repair of the rolling stock.
  5. The Services must be provided within 45 (forty-five)calendar days at the latest during the scheduled repair of the rolling stockfrom the date of the order (one-off order).
  6. Orders are placed by e-mail.
  7. The Supplier will be required to deliver the Products / perform the Services at the specific address during the Buyer's working hours (I-V 7:00-19:00).
  8. Transportation and unloading of the Products will be at the Supplier's expense.
  9. The Supplier shall not be entitled during the performance of the Contract to supply products or services which do not comply with the requirements of the Procurement Documents and/or the supply of which is restricted due to international sanctions (as defined in the Law on International Sanctions of the Republic of Lithuania) and/or due to their threat to the national security, as defined in the Procurement Documents and in the Republic of Lithuania Law on Public Procurement/ the Republic of Lithuania Law on Procurement by Contracting Entities in the Water Management, Energy, Transport and Postal Services Sectors.
  10. The Supplier must inform the Buyer in writing (by e-mail) of the country of origin of the Products ordered and the manufacturer of the Products (name, legal entity code, country of registration) no later than within 1 (one) working day after receipt of the order, before the order is fulfilled. The provision of this information is included in the lead time.

## PROCEDURE AND DEADLINES FOR RECTIFYING DEFECTS

* 1. **Defects in the Products** shall be rectified no later than within *10 (ten)* calendar days from the date of the Buyer's e-mail notification. Within 1 (one) working day of receipt of the notification, the Supplier must draw up and agree with the Buyer a plan for rectifying the defects in the Products.
  2. If the last day of the period for the delivery of the Products or rectification of defects in the Products falls on a day other than a working day or an official holiday, the end of the period shall be deemed to be the following working day. Public holidays and non-working days (Saturdays and Sundays) shall be counted as part of the time limit for delivery of the Products or rectification of defects in the Products.
  3. **Deficiencies in the Services** shall be remedied within a maximum of *5 (five)* calendar days from the date of the Buyer's e-mail notification. Within 1 (one) working day of receipt of the notification, the Supplier must draw up and agree with the Buyer a plan for rectifying the defects.
  4. If the last day of the period for the provision of the Services or a phase thereof (if applicable) or for the rectification of defects in the Services or a phase thereof (if applicable) falls on a day which is not a working day or an official holiday, then the end of the period shall be deemed to be the next working day. Public holidays and non-working days (Saturdays and Sundays) shall be counted towards the time limit for the provision of the Services or a phase thereof (as applicable) or the rectification of defects in the Services or a phase thereof.

## ANNEXES

* 1. Annex 1. Planned volumes of the Subject of the Contract.
  2. Annex 2. Environmental criteria