

Appendix No. 3

Description of the Subject of the Order (OPZ):

Delivery of Q1, Q3, Q6, Q10 mannequins and sensors with calibration in compliance with ECE R129 regulations, along with personnel training for proper handling.

CPV Code:

- **38970000-5 - Research, testing, and scientific technical simulators**
- **80511000-9 - Staff training services**

I. The subject of the order includes the purchase, delivery, and calibration with 12-channel instrumentation of Q1, Q3, Q6, and Q10 mannequins in compliance with ECE R129. The order consists of:

- 1. Q1 mannequin with instrumentation compliant with ECE R129 regulations**
- 2. Q3 mannequin with instrumentation compliant with ECE R129 regulations**
- 3. Q6 mannequin with instrumentation compliant with ECE R129 regulations**
- 4. Q10 mannequin with instrumentation compliant with ECE R129 regulations**

II. Order Execution Method:

The mannequins must be calibrated in compliance with ECE R129 regulations. The sensors should be calibrated to a voltage of 5V. The sensor connectors should be LEMO FGG.1B.307. The pin layout should be adjusted according to the recipient's guidelines. Delivery should be made to the address designated by the ordering party, i.e., the place of mannequin use. Sensor calibration must comply with ISO 17025. Personnel training will be provided for those responsible for handling the mannequins.

III. MINIMUM TECHNICAL PARAMETERS:

- 1. Q1 mannequin**
 - **3-axis head sensor**
 - **3-axis chest sensor**
 - **6-axis moment and force sensor**
 - **Chest deflection sensor**
 - **APTS**
 - **Compliance with ECE R129 regulations – certification and instrumentation**
- 2. Q3 mannequin**
 - **3-axis head sensor**
 - **3-axis chest sensor**
 - **6-axis moment and force sensor**

- Chest deflection sensor
- APTS
- Compliance with ECE R129 regulations – certification and instrumentation

3. Q6 mannequin

- 3-axis head sensor
- 3-axis chest sensor
- 6-axis moment and force sensor
- Chest deflection sensor
- APTS
- Compliance with ECE R129 regulations – certification and instrumentation

4. Q10 mannequin

- 3-axis head sensor
- 3-axis chest sensor
- 6-axis moment and force sensor
- Chest deflection sensor
- APTS
- Compliance with ECE R129 regulations – certification and instrumentation

IV. Warranty Conditions:

The ordering party requires that the minimum warranty period provided by the contractor for the delivered equipment be 12 months for individual delivery components.

V. Other Contractor Obligations:

The contractor shall deliver the subject of the order at their own expense.

The Contractor will provide training for the Ordering Party's personnel in the use of the device in the amount of at least 12 hours.

VI. Equivalent Solutions:

The ordering party allows for the submission of equivalent offers. If trademarks, patents, origin, source, or a specific process characterizing particular products or services are indicated in the description of the subject of the order, it means that the ordering party cannot describe the subject of the order using sufficiently precise terms, and it is justified by the specificity of the subject of the order. In such cases, any references to trademarks, patents, origin, source, or a specific process should be read as "or equivalent."

A contractor who refers to solutions equivalent to those described by the ordering party is required to demonstrate that the materials and devices they offer meet the requirements specified by the ordering party at a level not lower than indicated in the description of the subject of the order.

When the ordering party describes the subject of the order by referring to standards, European technical assessments, approvals, technical specifications, and technical reference systems, as mentioned in section 3.2.2, point 10 of the Guidelines on the Eligibility of Expenditures for the years 2021-2027, equivalent solutions to those described are acceptable.

VII. Division of the Order into Parts:

The ordering party does not foresee dividing the subject of the order into parts. This decision is based on the specificity and nature of the order (delivery of all components) and the project implementation schedule concerning the coordination of individual delivery elements, as well as the cost settlement of the order included in the project's material and financial schedule.

The order has not been divided into parts because the scope of delivery specified in the Description of the Subject of the Order is tailored to the needs of small and medium-sized enterprises, as defined in Annex No. 1 to EU Regulation 651/2014 of June 17, 2014.