



Explanation of the Procurement Documents No. 1
related to the public contract
„Supply of LiDAR sensors“

Name of the Contracting Authority	VSB - Technical University of Ostrava
Registered office of the Contracting Authority	17. listopadu 2172/15, 708 00 Ostrava–Poruba
Business ID No. of the Contracting Authority	61989100
Person authorised to act for the Contracting Authority	prof. Ing. Igor Ivan, Ph.D., Rector
Profile of the Contracting Authority	https://zakazky.vsb.cz
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Dear Sir/Madam,

the Contracting Authority, in accordance with the provisions of Part III of the Procurement Documents and pursuant to Sections 98 and 99 of Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter referred to as the "Act"), hereby provides this explanation, amendment or supplement to the Procurement Documents.

The explanation, amendment or supplement to the Procurement Documents is provided by the Contracting Authority in the same manner as the Procurement Documents for the public contract was provided, i.e., by publication on the Contracting Authority's profile.

Request for clarification of the Procurement Documents dated 20 October 2025

Question:

Dear Sirs, below please find our questions concerning the technical specifications of this tender:

For Lot1:

- Would you accept a LiDAR with vertical field of view of "42.4° ± 1.0°"? This minor difference is often rounded by manufacturers to 45° in their marketing materials, while for design reasons it's actually slightly smaller.

For Lot2:

- Would you accept a LiDAR that differs in a couple of parameters - some are slightly worse, some are much better:

- horizontal field of view = 360°, but vertical field of view = 22.5° instead of required 25°

- sensor slightly heavier (1100g instead of 1000g)

- Power consumption specified by manufacturer as 18 - 24 W (no nominal value defined)

- scanning method: spinning LiDAR instead of rotating mirror

- slightly lower operating temperature range (-20 °C to +60 °C instead of -40 °C to +85 °C

- besides that, the sensor we offer significantly exceed several parameters, including: number of points, operating voltage, IP rating and others.

For Lot3:

- Would you accept a LiDAR that differs in a couple of parameters - some are slightly worse, some are much better:
- horizontal field of view = 360°, but vertical field of view = 22.5° instead of required 40°
- less points per second (2 600 000 instead of 3 400 000)
- slightly lower operating temperature range (-20 °C to +60 °C instead of -40 °C to +75 °C)
- slightly worse range accuracy ±5 cm instead of ±3 cm
- besides that, the sensor we offer significantly exceed several parameters, including: weight, IP rating and others.

Thank you for your answers

Answer:

Regarding Lot 1:

The Contracting Authority confirms that sensors with a vertical field of view of 42.4° will be accepted. The Contracting Authority therefore amends Annex 1a to the Procurement Documents – Technical Specification for Lot 1 of the public contract, specifically for the technical parameter "Field of view (horizontal x vertical)", where the value of the offered device for the vertical field of view may range from a minimum of 41° to a maximum of 48°.

The change to Annex 1a to the Procurement Documents is as follows:

Field of view (horizontal × vertical)	Horizontally 360° x vertically min. 41° and max. 48°	the tenderer shall indicate YES/NO
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The Contracting Authority also makes the same change in the technical specification contained in Annex 1 of the Business Terms and Conditions for Lot 1 of the public contract (Annex 2a to the Procurement Documents).

The Contracting Authority provides the modified Technical Specification and modified Business Terms and Conditions as Annex 1 ("P1a_Technical_specification_Lot_1_EN_EXP1.docx") and Annex 2 ("P2a_Obchodni_podminky_Business_Terms_Conditions_Lot_1_CZ_EN_EXP1.docx") of this Explanation of the Procurement Documents No. 1.

Regarding Lot 2:

A LiDAR with a rotating head operates on a different scanning principle than a LiDAR that uses an internal rotating mirror. For the required application and intended use of the sensors, the Contracting Authority requires the supply of more suitable sensors with a 120° horizontal field of view. A 360° rotating LiDAR is unnecessary and would significantly complicate the mechanical design, housing integration, and overall system layout. Since the sensor variant mentioned by the inquirer is not suitable for the needs of the Contracting Authority, the Contracting Authority will not amend the technical specification of the LiDAR sensors for Lot 2 of the public contract and insists on the originally specified parameters.

Regarding Lot 3:

The vertical field of view of the sensor offered by the inquirer is considerably lower than required by the Contracting Authority, and the number of points per second is also significantly smaller. The sensors

that are the subject of performance in Lot 3 of the public contract are intended for use in the proposed vehicle sensor system, which is designed with a 40° vertical field of view. Using LiDAR sensors with a smaller vertical field of view would result in larger blind spots around the vehicle, which is undesirable. For this reason, the sensor offered by the inquirer is not suitable for the needs of the Contracting Authority. Therefore, the Contracting Authority will not amend the technical specification of the LiDAR sensors for Lot 3 either, and insists on the originally specified parameters.

Extension of the time limit for submitting tenders and opening of tenders

In accordance with Section 99(2) of the Act, the Contracting Authority **extends the time limit for submitting tenders until 24. 11. 2025 by 10:00 a.m.**

Opening of tenders: In accordance with Section 109(1) of the Act, tenders will be opened after the deadline for submission of tenders. As only electronic tenders are to be submitted, there will be no public opening of tenders. Tenders will be opened on 24. 11. 2025 from 10:00 a.m. at VSB-TUO, CMV building (formerly the Business Centre building), Studentská 17/6202, 708 00 Ostrava, in the environment of the E-ZAK electronic tool.

Annexes:

Annex 1 – modified Technical Specification for Lot 1 of the public contract

Annex 2 – modified Business Terms and Conditions for Lot 1 of the public contract

In Ostrava on the date of electronic signature

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Mgr. Eva Burdová
public procurement specialist