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## TECHNICAL CHARACTERISTICS Optical Interrogator

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### Optical Interrogator

We request the purchase of three optical interrogators as described below. They are needed in the framework of the project 24-066/H2020, SALTO - reusable strategic space Launcher Technologies & Operations, project manager: dr. mat. Daniela Enciu. The request comes from the Project Coordinator, ARIANEGROUP SAS.

The optical interrogators will be mounted on each segment of the space launcher at a location to be specified by the Project Coordinator. Following flight tests there is a minimal risk that the interrogators may not be recovered.

It is worth mentioning that the purchase is necessary until the end of August at the latest, because in September the tests on the launcher will start, and the installation of the equipment will be necessary until then.

Technical specifications of optical interrogator:

- 6 optical channels
- 8 FBG sensors per channel
- sampling rate > 19 kHz
- sampling speed for 48 sensors > 41 Hz
- wavelength measurement range: 1515-1585 nm
- wavelength precision: <2 pm
- optical connector: LSA (DIN) APC
- dimensions: at most 120x70x45 mm -weight: <360 g
- operating temperature range: -10 °C - +45 °C
- storage temperature range: -30 °C - +85 °C

#### 1. Delivery time of products/services

Provision of services/products - maximum 30 days from the signing of the contract, with the possibility of extending the contract by signing an additional act.

#### 2. Warranty and post-warranty conditions

The products/services shall benefit from a minimum guarantee of 12 months from the date of receipt.

#### 3. Reception condition

**Reception:** upon the completion of the product/service reception, *the reception of the supplied products* (Technical Documentation if applicable: Work Packages, Reliability Reports, Maintenance Schedule) will be carried out by the reception committee of the purchaser and the beneficiary at their premises.

Reception of services/products: I.N.C.A.S. headquarters - the reception of the products/services will take place at INCAS headquarters in Bucharest.

#### 4. Quality assurance

All products/services will comply with ISO 9001 (similar or equivalent) quality assurance norms and standards.

#### 5. Payment methods:

Payment will be made according to the contract between the supplier/provider and the beneficiary. No advance or partial payments will be made on conclusion of the contract.

#### 6. Offer price:

The price of the offer will be expressed in euro, including all product-related costs. The contracted unit prices are fixed in euro throughout the duration of the contract.