***Purchasing Services Office***
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***Letter of Addendum***

TO: All Offerors

FROM: Meradeth Montoya, Associate Director of Purchasing

DATE: 3/18/2026

RE: RFB Number: RFB 26030024 - Amendment No. 2
Commodity: Distributed Acoustic Sensing (DAS) Monitoring System
Fiber Optic Sensing Equipment

Q1. Does the mobile rack enclosure need to also house the NAS? Are there any guidelines regarding the rack (e.g., ruggedization for impact protection, dust ingress protection, vibration dampening, etc.)?

A1. The mobile rack enclosure does not need to house the NAS. Vendors may propose options for impact protection, dust ingress protection, and vibration dampening.

Q2. Is integration with any existing systems, data platforms, or monitoring infrastructure required? If yes, please provide details of interfaces, protocols, or compatibility requirements.

A2. Integration with existing systems, data platforms, or monitoring infrastructure is not strictly required.

Q3. Are there any additional performance requirements beyond the specified 8 km sensing distance and 2–5 m gauge length? Specifically, are there requirements for frequency response, sensitivity, or data acquisition parameters?

A3. The system shall support an acoustic frequency bandwidth of ≤ 1 Hz to ≥ 5 kHz, with a sampling rate of ≥ 10 kHz.

Q4. What type of fiber optic cable is required (e.g., single-mode, multimode, armored)? Are there any specific standards or configurations to be followed?

A4. The system should use single-mode fiber compatible with standard specifications. The cable should be suitable for Distributed Acoustic Sensing applications. Vendors may propose different options, including ruggedized or armored cable suitable for field deployment, along with associated costs.

Q5. Are there any specific environmental or operational conditions (e.g., temperature range, installation method, protection requirements) that should be considered for surface and underground deployment?

A5. The system and fiber optic cable shall be suitable for deployment in both surface and underground mine environments, including installation in trenches and along underground mine openings. The equipment shall be capable of operating under exposure to dust, moisture, and mechanical stresses, and within typical industrial temperature ranges (approximately −5°C to +50°C).

Q6. Could you please confirm the specifications required for Item #2, Fiber Optic Sensing Cable (3000 Meters)?

A6. Fiber Type: Single-mode fiber compatible with standard telecom specifications. Cable Construction: Ruggedized cable suitable for surface trenching and underground mine deployment. The cable will be used to monitor risky and unstable areas, including rockfalls and other geotechnical activities in underground mines. Vendors may propose different cable options suitable for this application, along with associated costs.

Q7. We have two different units that meet the required specifications—the Nano unit and the Peta unit. The Nano unit is a more basic configuration, while the Peta unit offers additional capabilities, including monitoring multiple fibers simultaneously, built-in storage, and a wider range of optical setup options (e.g., pulse width and gauge length settings). Is there a particular variant that is preferred for this solicitation, or should we submit separate proposals for each option?

A7. For this case, a single-fiber input Nano unit is sufficient for the project's objectives.

ALL OFFERORS ARE REQUIRED TO CONFIRM THE RECEIPT OF THIS AMENDMENT IN THEIR RESPONSE.
ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED.