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Planning

## **Infrastructure Monitoring Location Positioning**

Network Rail Infrastructure Ltd

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-003313

Procurement identifier (OCID): ocids-h6vhtk-04363d

Published 1 February 2024, 10:32am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

Network Rail Infrastructure Ltd

Waterloo General Offices

London

SE1 8SW

#### **Email**

[Mark.adams3@networkrail.co.uk](mailto:Mark.adams3@networkrail.co.uk)

#### **Telephone**

+44 1908781000

#### **Country**

United Kingdom

#### **Region code**

UK - United Kingdom

**Internet address(es)**

Main address

[www.networkrail.co.uk](http://www.networkrail.co.uk)

**I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

**I.3) Communication**

Additional information can be obtained from the above-mentioned address

**I.4) Type of the contracting authority**

Ministry or any other national or federal authority

**I.5) Main activity**

General public services

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**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title**

Infrastructure Monitoring Location Positioning

**II.1.2) Main CPV code**

- 38112100 - Global navigation and positioning systems (GPS or equivalent)

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

Historically inspection and analysis of ultrasonic rail flaws has been a largely manual

activity that required regular intrusive access to the infrastructure. The use of ultrasonic walking stick and hand probe equipment meant that this remained a labour-intensive exercise. Manual inspection also didn't necessarily identify all the areas of concern on the network as quickly or frequently. As a result, a train borne measurement system was developed and Ultrasonic Testing Units (UTUs) were introduced.

A fundamental part of any train borne inspection process is a method of reliably, repeatably and accurately positioning measurements against a fixed reference. This ensures that maintenance teams are dispatched to the correct location to verify suspect locations identified by the UTUs. The positioning system currently deployed on the UTU fleet has been in existence since their introduction in the early 2000s.

What is now required is a further step change in terms of absolute positional accuracy and a positioning service that further improves service resilience and is capable of supporting future recording system modernisation.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

- 42961300 - Vehicle location system
- 72222300 - Information technology services

#### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

#### **II.2.4) Description of the procurement**

Network Rail are seeking to identify a solution that provides absolute positional accuracy and a positioning service for data that is collected from Ultrasonic Testing Units collected from a train borne measurement system.

The purpose of this PIN is to:

- a) Engage with suppliers to generate and register interest.
- b) Provide clarity on the requirement and indicative procurement timelines.

- c) Identify the existing solutions available in the market and solutions that are likely to be ready within 6-12 months of this notice.
- d) Obtain feedback in relation to the requirement as currently defined so Network Rail can consider any suggested changes or updates before issuing the potential future tender.
- e) Ensure suppliers who are interested in any potential future tender activity relating to this requirement, are aware of the procurement platform and provide them with the steps to register on this platform (should they not have already done so).

Responding to this PIN is an excellent opportunity to engage, share relevant information and provide each other with feedback. Should you wish to respond to this PIN please follow the instructions below:

1. Follow the link: <https://networkrail.bravosolution.co.uk/web/login.html>
2. From the welcome screen, access the "View Current Opportunities" link and select "#35112 - UTU Locational System Tender - AIS".
3. Click on the attachment "Ultrasonic Rail Testing Data positioning - RFI Submission Template". Suppliers should be responding to questions in the excel document.
4. Once completed please send your RFI Submission Template via email to: [mark.adams3@networkrail.co.uk](mailto:mark.adams3@networkrail.co.uk) with the email subject " Ultrasonic Rail Testing Data positioning RFI".

### **II.3) Estimated date of publication of contract notice**

1 October 2024

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: No