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Planning

Automated Stress Free Temperature (SFT) Identification

NETWORK RAIL INFRASTRUCTURE LIMITED

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-067930

Procurement identifier (OCID): ocds-h6vhtk-05d2c1

Published 23 October 2025, 4:08pm

Scope

Reference

Automated Stress Free Temperature (SFT) Identification

Description

Network Rail is seeking to understand market interest and readiness to deliver an automated solution for identifying Stress-Free Temperature (SFT) across its continuously welded rail (CWR)

infrastructure.

Track buckling due to thermal stress remains a critical safety risk. Network Rail seeks a reliable, automated method to measure SFT across its CWR network to support preventative maintenance and asset management.

This initiative supports Network Rail's goals for digital innovation, safety assurance, and predictive maintenance. It aligns with the broader programme of intelligent infrastructure and data-driven asset management.

Contract dates (estimated)

- 23 July 2026 to 31 January 2028
- 1 year, 6 months, 9 days

Main procurement category

Services

CPV classifications

- 73000000 - Research and development services and related consultancy services

Contract locations

- UK - United Kingdom

Engagement

Engagement deadline

19 November 2025

Engagement process description

For further information relating to the scope of this pre-market engagement and the submission process, please review the document titled 'EOI RD Final' via 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 '#42528- Automated Stress Free Temperature (SFT Identification)'
- 3) Click on the PDF attachments to view the attached documents.

Submission

Publication date of tender notice (estimated)

1 January 2026

Procedure

Special regime

Utilities

Contracting authority

NETWORK RAIL INFRASTRUCTURE LIMITED

- Public Procurement Organisation Number: PNZN-9524-VCQJ

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London

SE1 8SW

United Kingdom

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Website: <https://www.networkrail.co.uk/>

Region: UKI45 - Lambeth

Organisation type: Public authority - central government