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Tender

## **1008157290 T1414 Testing the feasibility of the use of solar reflective solutions on rolling stock**

Rail Safety Standards Board (RSSB)

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-007543

Procurement identifier (OCID): ocds-h6vhtk-0610c7

Published 28 January 2026, 12:06pm

## **Scope**

### **Description**

T1414 aims to demonstrate the effective use of Solar Reflective Solutions to reduce internal vehicle temperatures, supporting improved passenger comfort, reduced HVAC energy consumption demand and improved component reliability for GB passenger rolling stock.

Work Package 1- Benchmarking and trial planning

- Assess the current performance of existing rolling stock paint systems to establish a baseline against which the potential benefit and disbenefits of adopting solar reflective alternatives can be determined.
- Identify and select SRSs which meet GB passenger rolling stock requirements to ensure the SRSs trialled meet technical, safety, and operational material requirements.
- Develop a test plan for a box trial, representative of a rail vehicle, to assess the effect that SRSs would have on internal rail vehicle temperature.

Work Package 2 - Box trials

- Undertake box trials<sup>2</sup>, representative of a rail vehicle, as per the test plan produced in WP1, to gather data on the solar, thermal and operational environment performance of SRSs.
- Analyse the data gathered from the box trials to enable cost-benefit analysis of the material systems and mitigate potential risk/unsuitable candidates.

#### Work Package 3 - Business case for SRS adoption

- Produce an initial business case for the use of SRSs on GB passenger rolling stock based on WP2.

#### Work Package 4 - Planning next steps – This will only be undertaken if business case in WP3 is positive

- Identify the questions (including technical) that remain to be answered to make informed decisions on the adoption of SRS.
- Develop a test plan for trial(s) that would answer the outstanding questions identified in WP 2 and 3 so RSSB may seek support from relevant parties and plan for such trial(s).

Note – The decision to proceed with the last work package will be made by RSSB based on the findings from WP2 and 3. The work for WP4 should be included in the total price, but with the cost separately identified to be able to be removed if WP4 is not progressed.

benefit analysis of the material systems and mitigate potential risk/unsuitable candidates.

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://www.delta-esourcing.com/tenders/UK-UK-London:-Research-services./H6PV3F8HC3>

To respond to this opportunity, please click here:

<https://www.delta-esourcing.com/respond/H6PV3F8HC3>

#### **Total value (estimated)**

- £120,000 excluding VAT
- £144,000 including VAT

Below the relevant threshold

### **Contract dates (estimated)**

- 12 March 2026 to 11 February 2027
- 11 months

### **Main procurement category**

Services

### **CPV classifications**

- 73110000 - Research services

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## **Participation**

### **Particular suitability**

- Small and medium-sized enterprises (SME)
- Voluntary, community and social enterprises (VCSE)

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## **Submission**

### **Enquiry deadline**

9 February 2026, 12:00pm

## **Tender submission deadline**

27 February 2026, 12:00pm

## **Submission address and any special instructions**

<https://www.delta-esourcing.com>

## **Tenders may be submitted electronically**

Yes

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## **Award criteria**

<b>Name</b>	<b>Type</b>	<b>Weighting</b>
W2 Tenderer's understanding and methodology [Max 6 pages]	Quality	30%
W3 Tenderer's experience and Quality individual expertise [Max 3 pages, excluding CVs]		20%
W4 Project management: Planning and engagement	Quality	20%
W6 Price	Price	20%
W5 Project management: Risks and opportunities	Quality	10%

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## **Procedure**

## **Procedure type**

Below threshold - open competition

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## **Contracting authority**

### **Rail Safety Standards Board (RSSB)**

- Public Procurement Organisation Number: PVGN-9767-BLPT

25 Fenchurch Avenue,

London

EC3M 5AD

United Kingdom

Contact name: Procurement Team

Telephone: +44 2031425651

Email: [Procurement@RSSB.co.uk](mailto:Procurement@RSSB.co.uk)

Region: UKI31 - Camden and City of London

Organisation type: Public undertaking (commercial organisation subject to public authority oversight)