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Contract

976595394 T1400 Demonstrating the visibility and illumination of rolling stock external lighting

Rail Safety Standards Board (RSSB)

UK7: Contract details notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-083410

Procurement identifier (OCID): ocds-h6vhtk-059a8f ([view related notices](#))

Published 16 December 2025, 2:05pm

Scope

Description

RSSB seeks to procure research to:

- Provide insight on front-end lighting used on GB rolling stock; the assumptions made on their performance (both in term of visibility provided to the driver and warning to people on or near the line)
- Indicate the degree of warning provided (in terms of distance between an oncoming train and the viewer) by front-end lighting that is:
 - o Compliant with LOC&PAS (Rolling stock - Locomotive & Passenger) NTSN requirements
 - o Installed on pre-TSI (Technical Specification for Interoperability) vehicles, including yellow front-ends
- Assess the variables that can degrade or drift and affect compliance with the requirements, and inspection or maintenance required to keep front-end lighting within limits

- Assess the feasibility and potential benefits of automated headlight switching, with or without the added functionality of Adaptive Driving Beam (ADB) headlight technology that is available on road vehicles

Successful delivery and implementation will:

- Provide industry with evidence on the actual warning provided by the lighting specifications and their impact on safety protocols and train operations. This is intended to inform RSSB Standards Project 22-006 (which is planned to be completed by December 2026). This is also intended to inform an update to RIS-3437-TOM Defective On-Train Equipment and Rule Book Module GERT8000-TW5 Defective or isolated vehicles and on-train equipment, by informing what arrangements remain safe when some external vehicle lighting becomes defective, but other lighting remains working.
- Identify the potential advantages and risks of adopting automated headlight switching, with or without ADB headlight technology, considering the need for industry co-ordination.

To view this notice, please click here:

<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=1001711947>

Contract 1

Supplier

- OptiConsulting Limited

Contract value

- £100,000 excluding VAT
- £120,000 including VAT

Below the relevant threshold

Date signed

18 November 2025

Contract dates

- 19 November 2025 to 24 August 2026
- 9 months, 6 days

Main procurement category

Services

CPV classifications

- 73110000 - Research services

Contract locations

- UK - United Kingdom

Procedure

Procedure type

Below threshold - open competition

Supplier

OptiConsulting Limited

Downlee Close

Chapel en le Frith

SK23 9TR

United Kingdom

Email: Procurement@RSSB.co.uk

Region: UKF13 - South and West Derbyshire

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1

Contracting authority

Rail Safety Standards Board (RSSB)

- Public Procurement Organisation Number: PVGN-9767-BLPT

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United Kingdom

Contact name: Procurement Team

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Email: Procurement@RSSB.co.uk

Region: UKI31 - Camden and City of London

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