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Planning

National Transport Analysis Platform

Department for Transport

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

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Scope

Reference

TBC

Description

The DfT requires an analytical platform that is robust, scalable, distributed, combining methods across analytical disciplines to produce analysis for national transport policies. This requires an end-to-end solution from transport modelling through appraisal analysis to visualisation of results. The scale and expectations of the use of analysis in policy making has increased significantly and we are looking for a system to help us meet that analytical need. While remaining with the same staffing levels.

Current situation

The national transport model has around 7,100 zones, 136,000 links, 46,000 nodes, 5 assigned user classes, 3 time periods, route choice for the assigned demand segments (apart from buses that are a pre-load). In the demand model there are 8 Journey Purposes, mode choice for 6 modes, and destination choice.

Typically to use the national transport model takes around 5 working days. 1 day to setup and quality assure the inputs and assumptions, half a day to setup and run the LGV model and the freight model, 11-12 hours to run a forecast year through both VDM and highway assignment, anything from half a day to 2 days to check the model results, and then a similar amount of time to generate presentation quality visualisations. All these stages have significant amounts of manual quality assurance, and manual data handling, with the exception of validating the approach and the setup data, all the internal manual handling and QA are in scope for being removed with as many modules running in parallel as possible.

Total value (estimated)

- £400,000 excluding VAT
- £480,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 2 July 2025 to 1 July 2026
- Possible extension to 1 December 2026
- 1 year, 5 months

Main procurement category

Services

CPV classifications

- 72212460 - Analytical, scientific, mathematical or forecasting software development services

Contract locations

- UK - United Kingdom

Engagement

Engagement deadline

1 April 2025

Engagement process description

Stage 1 - Capability Assessment following the shortlisting of suppliers by TASM to identify suppliers that can meet their requirements. Suppliers must be able to answer yes to all the capability assessment questions to become shortlisted for stage 2. A collaborative approach should be demonstrated which allows for requirements to be altered based on needs and risks which we expect to evolve through the discovery, proof of concept and pilot stages. This allows for joint problem solving with prospective suppliers encouraging the latest industry best practices including use of technology.

Stage 2 - Suppliers who meet all the criteria will be invited to a supplier day to present their capability.

Stage 3 -If you meet the customer's criteria for being invited, your presentation will be evaluated against the published capability assessment criteria and the successful bidder(s) will be notified. If the Department is satisfied your tool meets our requirements you will be invited to tender for the opportunity.

Scalable national transport analysis platform

Procurement Timetable

The timetable below is indicative and may change if necessary. Suppliers will be informed of any changes promptly.

Publish Capability Assessment (CA) 21 March 2025

CA Clarification period open 21 March 2025

CA Clarification period closes 28 March 2025 @ 13:00

CA Clarification response published 31 March 2025 @ 17:00

CA Submission deadline 1 April 2025 @ 16:00

Review CA's 4 April - 10 April 2025

Supplier Event preparation 11 April - 17 April 2025

Supplier Day (to include demos) 21 - 22 April 2025

ITT Preparation 23 April - 29 April 2025

ITT Publication 1 May 2025

ITT Clarification period opens 1 May 2025

ITT Clarification period closes 14 May 2025

ITT Clarification responses published 19 May 2025

ITT Submission deadline 28 May 2025

Evaluation / Moderation 2 - 6 June 2025

Intention to Award 9 June 2025

Alcatel period 10 June - 20 June 2025

Contract Award 23 June 2025

Draft Contract documentation 25 June 2025

Indicative Contract Phases

Start of Contract 2 July 2025

Inception meeting - London 2 July 2025

Discovery phase ends 18 July 2015

Proof of concept phase ends 10 October 2025

Pilot stage ends 16 January 2026

Participation

Particular suitability

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

Submission

Publication date of tender notice (estimated)

1 May 2025

Contracting authority

Department for Transport

- Public Procurement Organisation Number: PLTC-5358-LTWZ

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