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Planning

NICC Group Training Simulator

HS2

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2025/S 000-004424

Procurement identifier (OCID): ocds-h6vhtk-04dd65

Published 10 February 2025, 4:13pm

Section I: Contracting entity

I.1) Name and addresses

HS2

High Speed Two (HS2) Ltd, Two Snowhill, Queensway

Birmingham

B4 6GA

Contact

Paul Markham

Email

paul.markham@hs2.org.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

www.hs2.org.uk

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Railway services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

NICC Group Training Simulator

Reference number

Project_2838

II.1.2) Main CPV code

- 80510000 - Specialist training services

II.1.3) Type of contract

Services

II.1.4) Short description

The HS2 Group Training Facility (GTF) is used specifically to facilitate the training and retention of competence of the roles as a group i.e. the interworking between the various roles required in different modes of operation e.g. normal working, perturbed, under maintenance and emergency. It builds on other separate training facilities, provided by others, that address the training and retention of individual operator competence on the specific operational technology systems that are used to control and manage the railway

e.g. the (Rail) Traffic Management System.

The GTF will support the training for the Traffic Manager Controller, Infrastructure Manager Controller, Shift Manager, Security Controller, Customer Experience Controller, Resource Controller and Rolling Stock Controller roles.

The GTF includes a Group Training Simulator (GTS) along with workstation furniture for both trainees and trainers located in a dedicated space within the Network Integrated Control Centre (NICC). The allocated space comprises an instructor's room which contains the instructors and user interface equipment needed to manage, control, monitor and evaluate the sessions, and the group training room which contains the operators and their user interface equipment. There is also a separately located GTS equipment space within the NICC available to house simulator equipment where this is provided on site.

The Group Training Simulator (GTS) is used to provide a comprehensive single platform that simulates the various operational systems, operational communication systems, and selected elements of the supporting IT operational and business applications that enable the operation and control of the HS2 railway. The simulation will also include an element of rail traffic simulation and rail infrastructure simulation.

As the GTS is not being used for training on the operational technology systems themselves, it is not required to provide a precise simulation/emulation of the individual systems. However, the GTS must provide a sufficient level of fidelity to the live operational systems so that meaningful training can be accomplished with a reasonable level of authenticity – e.g., the system should at least appear as close as possible to the real system and not introduce any confusion to operators during training.

The GTS is entirely separate from the operational technology systems and has no connection with them, though there will be some connectivity with corporate IT systems for the purposes of passing training and competence assessment data generated within the GTS to other associated HS2 IT systems. There will therefore need to be some consideration of, and compliance with, HS2 cyber security standards and provisions as part of design and deployment.

The GTS needs to be deployed to the GTF within the NICC and the assigned rooms mentioned earlier, noting that the Instructor workstation furniture will form part of the envisaged scope of supply for the GTS, whereas trainee workstations are already provisioned through a contract with another supplier.

Further detail is available with the Market Sounding Briefing Document available from Paul Markham, Procurement Category Manager - paul.markham@hs2.org.uk

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 72200000 - Software programming and consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The HS2 Group Training Facility (GTF) is used specifically to facilitate the training and retention of competence of the roles as a group i.e. the interworking between the various roles required in different modes of operation e.g. normal working, perturbed, under maintenance and emergency. It builds on other separate training facilities, provided by others, that address the training and retention of individual operator competence on the specific operational technology systems that are used to control and manage the railway e.g. the (Rail) Traffic Management System.

The GTF will support the training for the Traffic Manager Controller, Infrastructure Manager Controller, Shift Manager, Security Controller, Customer Experience Controller, Resource Controller and Rolling Stock Controller roles.

The GTF includes a Group Training Simulator (GTS) along with workstation furniture for both trainees and trainers located in a dedicated space within the Network Integrated Control Centre (NICC). The allocated space comprises an instructor's room which contains the instructors and user interface equipment needed to manage, control, monitor and evaluate the sessions, and the group training room which contains the operators and their user interface equipment. There is also a separately located GTS equipment space within the NICC available to house simulator equipment where this is provided on site.

The Group Training Simulator (GTS) is used to provide a comprehensive single platform that simulates the various operational systems, operational communication systems, and selected elements of the supporting IT operational and business applications that enable the operation and control of the HS2 railway. The simulation will also include an element of rail traffic simulation and rail infrastructure simulation.

The GTS provides multiple trainers with suitable user interfaces to manage, control, monitor, participate in (role play) and evaluate the various training sessions. Additionally it allows trainers to create, modify and manage a library of scenarios that can be used to

drive the GTS simulation sessions to behave in the desired manner. The GTS is expected to come pre-populated with some scenarios developed collaboratively with HS2 – and used as part of testing and acceptance activities - but others will be created by HS2 training staff as operational experience of the railway in service accumulates and demands for new scenarios arise.

Included within the provision of the GTS will be voice, video and screen recording and playback facilities so that trainers and trainees can review training sessions where appropriate to enhance learning and feedback opportunities.

II.2.14) Additional information

Please capture your response using the Microsoft Forms page which can be found here:

https://forms.office.com/Pages/ResponsePage.aspx?id=_kLg78_Ea06o1CMjTGnF7CTcGToghJhHolCn1pNvz-9UOVdYMEIQV0JDSjZVSkICQUZGVUdZOFZGNi4u

If you wish to participate in the market sounding exercise, please submit a response via the above mentioned link by no later than 28th February 2025 at 16:00 (4pm GMT).

II.3) Estimated date of publication of contract notice

3 June 2025

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: Yes

Section VI. Complementary information

VI.3) Additional information

Further detail is available with the Market Sounding Briefing Document available from Paul Markham, Procurement Category Manager - paul.markham@hs2.org.uk

HS2 Ltd's current preferred procurement route has been identified as a Competitive Flexible Procedure under the new Procurement Act.

This may include any or all of the following:

a Pre Qualification Questionnaire (PQQ) stage, an Invitation to Tender (ITT) stage, a Negotiation stage.

However, subject to the feedback received in response to this Market Sounding, alternative procurement routes may be considered. HS2 Ltd would greatly appreciate your feedback using the questionnaire detailed.

Please capture your response using the Microsoft Forms page which can be found here:

https://forms.office.com/Pages/ResponsePage.aspx?id=_kLg78_Ea06o1CMjTGnF7CTcGToghJhHoICn1pNvz-9UOVdYMEIQV0JDSjZVSkICQUZGVUdZOFZGNI4u

If you have any queries or issues, please contact paul.markham@hs2.org.uk , marking the subject as 'NICC Group Training MSQ (HS2/2838).'

To enable HS2 Ltd to analyse and consider your response, we would be grateful if you could submit your feedback via the Microsoft Forms link above by 4pm on Friday 28th February 2025.

Conditions regarding this PIN:

- 1) This PIN is NOT a call for competition and is not published to reduce time limits for the receipt of tenders;
- 2) This procurement will be launched in due course by the publication of a Contract Notice not linked in any way to this PIN;
- 3) HS2 Ltd reserves the right not to commence any procurement or award any contract in respect of this opportunity;
- 4) The information contained in this PIN may be subject to change due to the impact of governance, assurance, regulatory changes and/or the market engagement outcomes.

Insofar as is permitted by law, HS2 Ltd shall not be liable for any losses incurred by any party as a result of reliance on the information contained/linked herein;

- 5) Failure to register an interest in connection with this PIN shall not prevent an organisation from participating in any formal call for competition.

