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Planning

Pj HARMOS (AI Tooling for a Health Assessment and Risk Management Operational System)

Ministry of Defence

F01: Prior information notice

Prior information only

Notice identifier: 2025/S 000-082699

Procurement identifier (OCID): ocds-h6vhtk-05f541

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Section I: Contracting authority

I.1) Name and addresses

Ministry of Defence

London

Email

oliver.howard101@mod.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/jhub-defence-innovation>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Defence

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Pj HARMOS (AI Tooling for a Health Assessment and Risk Management Operational System)

II.1.2) Main CPV code

- 72266000 - Software consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

Project HARMOS (Health Assessment and Risk Management Operational System) will deliver an Agentic AI-assisted software platform that optimises production of operational medical plans and Healthcare Risk Assessments (HRAs). The initial activity is a 3 – 4 month pilot/MVP on MODCloud for ~50 med and non-med planners, delivering validated first-pass med plans and HRAs, demonstrable evidence of data lineage, measurable time savings for CMAs (OF3–OF5) and a pathway to scale/transition to DMS Digital. Suppliers should be prepared to build their solution on the Rapid Development and Innovation Platform (RDIP) which is an accredited AWS-based solution available via MODNET. RDIP offers platform, software, and expertise as a service with the aim of accelerating innovation projects and simplifying accreditation processes.

The Joint Hub for Innovation (jHub) will be the project owners for HARMOS. jHub wishes to enhance the speed and efficiency of Medical Planning through the use of AI-supported tooling. The primary objectives include:

1. To reduce the time required for generating draft medical operations plans from the current 5 days to approximately 30 minutes for a first pass.
2. To improve the accuracy of medical risk assessments by leaning on a repository of Post Exercise Reports (PXR), historical event data, and prior art.
3. To facilitate effective knowledge transfer between deployments, ensuring lessons learned are incorporated into future deployment planning.

Through achieving these objectives, jHub will be better positioned to further support the welfare of the military personnel being deployed.

The intention of the Pilot / MVP will be to deliver an AI-supported tool that can produce the first draft of a Medical Operations plan, using historical data, priorart (existing technologies, methods or systems that have been developed prior to the creation of new military innovation), and open source data. The solution will allow jHub to specify a location, number of personnel, and the type of activities being completed during deployment, and receive an automated draft Medical Operations Plan with perspectives specific to different roles, with potential risks highlighted. The system will maintain a searchable repository of previous deployments and provide real-time monitoring capabilities through visual dashboards. The output from this tool can then be reviewed, improved, and shared rapidly with colleagues across the UK MOD using a widely understood language.

Route to Market:

Artificial Intelligence Dynamic Purchase System - ref. RM6200

<https://supplierregistration.cabinetoffice.gov.uk/dps/RM6200?nav=0>

The intended route to market will be RM6200 referenced above. Please note this is subject to change should a more suitable route be identified. If you are interested in this project, we would encourage you to register on the AI DPS ahead of our intended competition timelines.

The categories for filter are not yet defined but will be aligned to the requirement outlined above.

Timelines:

The intention is to release this project to competition via RM6200 late January/February 2026. Timelines are subject to change.

II.1.5) Estimated total value

Value excluding VAT: £700,000

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
- 72266000 - Software consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

See above.

II.3) Estimated date of publication of contract notice

12 December 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