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Planning

Replacement Secondary Submarine Radar and Support

Defence Equipment and Support

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

Notice identifier: 2025/S 000-030682

Procurement identifier (OCID): ocds-h6vhtk-0544ad ([view related notices](#))

Published 6 June 2025, 3:39pm

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Scope

Reference

714887454-PMEN

Description

(Other notices that have been published about this procurement -

<https://contracts.mod.uk/esop/toolkit/notice/showNationalData.do?noticeId=1482337#fh>)

Maritime Radar Update Programme (MRUP) Delivery Team (DT) within Defence Equipment & Support (DE&S), part of the UK Ministry of Defence ("the Authority") is seeking to engage with suppliers for the purposes of procuring, supporting and gaining a clearer understanding of current market capabilities and potential offerings relevant to the Second Submarine Radar (SSR) in Royal Navy (RN) Subsurface ASTUTE and VANGUARD Class Submarines.

The current SSR is a portable Commercial OFF The Shelf (COTS) radar that is deployed when the submarine has surfaced, carried to the bridge fin by the crew, clamped to the boat structure, plugged into a vessel power socket and operated. The SSR operates as a second radar or as a backup, should the primary radar fail. It is used to detect the whereabouts of other surface objects and coastlines and is of particular importance when the vessel is approaching or leaving harbour, or in busy shipping areas.

The SSR equipment is stored within the submarine when not in use and deployed to the bridge fin when surfaced through a bespoke carriage solution. Currently, this is a bag and pulley system for the carriage and modified COTS mounts for attachment of the radome and display to the vessel mast/structure respectively.

The current and previous SSR solutions were subject to high failure rates.

The MRUP DT are planning to run a competition via the Competitive Flexible Procedure (Procurement Act 2023) for suitable suppliers to bid.

The goal is to leverage industry capabilities to deliver a more innovative solution that addresses availability issues and aligns better with platform environmental requirements, including electromagnetic compatibility and toxicity. The capability is required for a period of 5 years (estimated) - this is anticipated as a timescale of 6-months for replacement from contract award / commencement of contract, followed by 4.5 years of support.

It is the Authority's intent to invite suppliers to a Market Engagement Event who can demonstrate they are commercially compliant and can meet the technical requirements of being able to support the RN Subsurface SSR. During the Market Engagement Event the MRUP DT will give a presentation which will describe the SSR operating environment and provide an opportunity for suppliers to engage with questions they may have.

This Market Engagement Event will take place via Microsoft Teams on Monday 16th June 2025 at 1000. Invites to the event will be sent to interested parties in due course.

The Authority intends to release a Procurement Specific Questionnaire (PSQ) associated with this opportunity, currently scheduled for 17th June 2025. Please note this is an estimated date and subject to change.

The Authority will be conducting all applicable advertising and potential procurement exercises via the Defence Sourcing Portal (DSP). Interested parties are strongly encouraged to review the information published by DSP. Interested parties will need to gain access to DSP to ensure they acquire the most up to date information.

It is noted there is no obligation for the MOD to continue with the requirement following Preliminary Market Engagement.

Total value (estimated)

- £800,000 excluding VAT
- £960,000 including VAT

Below the relevant threshold

Contract dates (estimated)

- 8 September 2025 to 7 September 2030
- 5 years

Main procurement category

Works

CPV classifications

- 35722000 - Radar
- 45223400 - Radar station construction work

Contract locations

- UK - United Kingdom

Engagement

Engagement deadline

16 June 2025

Engagement process description

Preliminary Market Engagement (PME) event will take place via Microsoft Teams on Monday 16th June 2025 at 1000. Register interests with contracting authority's point of contact for invites to the PME event to be sent to interested parties

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Publication date of tender notice (estimated)

25 July 2025

Contracting authority

Defence Equipment and Support

- Public Procurement Organisation Number: PVRL-5831-GLMM

MOD Abbey Wood

Bristol

BS34 8JH

United Kingdom

Contact name: Che Wong

Email: che.wong104@mod.gov.uk

Website: <https://www.gov.uk/government/organisations/defence-equipment-and-support>

Region: UKK12 - Bath and North East Somerset, North Somerset and South Gloucestershire

Organisation type: Public authority - central government