**Royal Navy Industry Engagement**

**REPMUS 23 (Robotic Experimentation and Prototyping using Maritime Unmanned Systems) and DYNAMIC MESSENGER 23 – NATO Experimentation**

The Royal Navy Develop Directorate will consider Industry applications for Royal Navy endorsement to attend **REPMUS 23** and **DYNAMIC MESSENGER 23.**

The Develop Directorate will consider applications at a bespoke board on **7 Feb 23** in order to inform considerations at the Initial Planning Conferences (IPC) week commencing **13 Feb 23**. Successful applicants will be notified following the IPC.

REPMUS and DYNAMIC MESSENGER are exercises, conducted in the North Atlantic Portuguese Exercise Areas, designed to push forward capability development of NATO and partner nations Maritime Unmanned Systems and to improve Interoperability of systems as they proceed through development and into operational service. Both exercises complement each other with the former having a technology development focus, whilst the latter is focussed on integration of systems into operational task groups. Industry engagement is recognised as a key element and many industry entities are already significantly involved.

Whilst the exercises present an opportunity to showcase technology and a Distinguished Visitor day is included, it must be understood that this is a development exercise and not in itself a marketing opportunity.

Industry participation, outside of direct contracted support to the RN, requires national sponsorship to demonstrate or integrate a specific system for evaluation. Industry participants must be headquartered in a NATO nation. Participants will be required to attend specific and pertinent planning and operational briefings and will need to contribute to a drumbeat of remote planning events in addition to the in-person conferences detailed below, this is a condition of acceptance to ensure successful planning.

Signature of a Non-Disclosure Agreement undertaking not to disclose sensitive or commercial information will be required and in some cases a Memorandum of Understanding (MOU) covering data sharing, IPR and liabilities. Applications will be considered against their ability to meet the goals and objectives set out in the attached NATO Information Document and additionally, their ability to integrate and / or contribute to the exercise serials currently under development.

This is an opportunity to submit proposals, so all applications are welcome. By no means a limiting factor, we may be particularly interested in:

* Advanced autonomous/unmanned solutions - capable of operating in a ‘system of systems’ maritime architecture
* Solutions to support ’system to system’ integration including across security domains
* AI & ML to provide mission advantage
* Novel communications solutions in bandwidth constrained environments (Acoustic and RF)
* Long endurance systems. Solutions to enhance sensor and power performance. Novel power and energy solutions
* Low signature autonomous/unmanned platforms
* Unmanned Surface Vessels with wide-area search capabilities
* Unmanned system Launch and Recovery
* Data management solutions – harvesting/fusion/exploitation across data types

The ability of the Authority to support an activity will be an entry criterion. For example while possession of a Security Clearance is not a mandatory requirement, personnel without clearance will require an escort at all times which may be impractical and will be assessed on a case by case basis.

It is recognised that deployments of this nature entail significant cost in workforce, logistics, travel and subsistence. In recognition of this, the RN is open to discussions of how we can provide logistics support to companies that meet the government definition of a small enterprise[[1]](#footnote-1), should they be selected.

|  |
| --- |
| **Outline Schedule – subject to change** |
| 6 Feb 23 0900hrs | Register interest window closes |
| 7 Feb | Board consideration |
| 13-17 Feb 23 | IPC REPMUS23 & DYMS23 (industry participation not required) |
| Feb/Mar | Final selection board. Selected entities notified. |
| 15-19 May 23 | MPC REPMUS23 & DYMS23 (Lisbon). Attendance mandatory for all participants. |
| 3-7 Jul 23 | Final Coordination Conference REPMUS23 & DYMS23 (Lisbon). Attendance mandatory for all participants unless specifically agreed with the MOD. |
| 4-8 Sep 23 | EEP (Experimentation Enhancement Phase / Integration Week). Attendance mandatory for all participants. |
| 8 Sep 23 | PRE-SAIL Conference |
| 11-21 Sep 23 | REPMUS23 execution |
| 22 Sep 23 | Distinguished Visitors Day (DV-DAY) |
| 23-29 Sep 22 (TBC) | DYNAMIC MESSENGER 23 |

The host nation may levy a charge to cover support costs during the exercise, and this will be borne by the participants themselves. In 2022 this was €15 per day, per person but may change in 2023.

The May Mid Planning Conference will generate a relatively firm schedule of events - until this stage, it is recognised that participants may wish to withdraw as the activity matures. After the MPC, participants will be expected to honour their commitments.

A collegiate approach and high professional standards are required across the UK contingent. At the sole discretion of the Authority, endorsement to attend may be withdrawn at any stage. Entities retain responsibility to ensure their activies are safe at all times.

We consider this activity within the scope of CONDO (Contractors on Deployed Operations), by submitting a capability idea industry agree that should they be invited to REPMUS/DYMS their personnel in country will follow DEFSTAN 05-129 (available online or request a copy from NAVYCOMRCL-MEPG@mod.gov.uk).

The attached NATO Information Document provides further direction and guidance.

For the avoidance of doubt: **Endorsement does not come with any financial or resource commitment from the Royal Navy or NATO.** Any formal procurement process will be undertaken in accordance with the relevant Procurement Law. Nothing in the event or any other engagements with Industry prior to a formal procurement process, shall be construed as a representation as to the Authority’s ultimate decision in relation to any future requirement.

[Please submit capabilities via this form.](https://forms.office.com/Pages/ResponsePage.aspx?id=7WB3vlNZS0iuldChbfoJ5YYQkh3NJF9EpJBW6irBnIZUQUZRUEk3MTlUSTdQVUVNQU9MN1M0WkI2NS4u)

1. Turnover or balance sheet total less than or equal to €10 million or €10 million, headcount less than 50. [↑](#footnote-ref-1)