

**RFI0018**

**REQUEST FOR INFORMATION**

**Quantum Navigation System**

**RFI Title:** Quantum Navigation System

**Issue Date:** 09 May 2022

**Reference:** RFI0018

**Version:** 1.0

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# Introduction

This RFI is not a bidding opportunity but a means by which industry can provide information. Any resulting procurement activity will be conducted competitively.

**Please note:**

**This RFI is an information gathering exercise, no further discussions with industry are planned at this stage however any future procurement activity will be advertised in line with public procurement regulations on the Defence Sourcing Portal and Contracts Finder.**

1. Background

The Royal Navy are seeking information on technologically mature, TRL4 or above Quantum Navigation systems. The system must be able to robustly operate in denied and degraded environments for extended periods, especially when submerged, and may be a combination of technologies that includes existing inertial navigation systems

1. RFI intended outcomes

This RFI aims to achieve 3 outcomes:

1. Align the MOD requirement with industry capability and processes for procurement of the required solution.
2. Develop a procurement strategy that will deliver best value for money for Defence.
3. To inform a Procurement Strategy that enables the implementation of an enduring solution.
4. RFI Procedure

Responses to this RFI will be reviewed by subject matter experts from different functional areas within Navy Command Headquarters.

If upon review of your submission any clarifications or additional information is required, you will be contacted using the details provided in your RFI response.

Any details provided in response to this RFI will be used for information purposes only and will not be used to determine the potential Suppliers who will be invited to bid, should the Authority proceed to tender.

The results and analysis of this RFI shall not constitute any form of pre-qualification exercise.

Any formal procurement process will be undertaken in accordance with the relevant Procurement Law.

Nothing in this RFI, 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 the future requirement.

1. How to submit responses to this RFI

Respondents should provide responses in accordance with the format provided in **Annex A** quoting the RFI reference on all documentation and emails**.**

Organisations may submit multiple solutions, one solution per form.

Please do not submit additional documents such as company overviews, the purpose of the RFI is to collect information related to the technical solution, any additional documents will not be included in the review process.

Any responses received after the deadline will be passed to the subject matter experts for information, however they may not be included in the RFI review meetings which are to be held immediately following the deadline.

Once completed, please return electronically to the e-mail address(es) shown below in **section 9,** no later than **12:00, Monday June 6th 2022**.

Responses will be acknowledged electronically by return e-mail.

1. Confidentiality & Proprietary Information

No information included in your response, or in discussions connected to it, will be disclosed to any other third party.

Proprietary information, where included, should be kept to minimum and must be clearly marked.

**For the purposes of this RFI, any documentation submitted should be classification OFFICIAL**.

1. Costs of preparing your RFI response

Any costs relating to the preparation and submission of a response to this RFI are the sole responsibility of the respondent.

## 8. Insurance

8.1 Not used.

1. Contact

Quoting the RFI reference, please submit

1. any requests for clarification
2. all responses to this RFI and
3. any questions regarding Classification of document(s) intended for submission, to:

[NAVYCOMRCL-RFI@mod.gov.uk](mailto:NAVYCOMRCL-RFI@mod.gov.uk)

1. Annex A

**RFI0018 Quantum Navigation System Dated 09th May**

|  |  |
| --- | --- |
| **Question** | **Answer** |
| Company Name |  |
| Company Address |  |
| Is the company a Small - Medium Enterprise (less than 250 employees)? |  |
|  | |
| Name of Company representative completing the RFI |  |
| Contact details (e-mail and telephone number) |  |
| Company web site address |  |
|  | |
| What is the TRL of the solution? |  |
| Is the solution capable of providing assured navigation to an accuracy of 1nm over 10 days to vehicles and/or platforms or better?  If not, please provide brief details of the solutions accuracy (max 20 words). |  |
| **QUESTIONS** | |
| 1. What is the best technical solution currently available? Max 300 words, please keep your response to OFFICIAL or below. | |
| 1. What testing has your solution been put through to determine its viability and accuracy?  Max 200. words, please keep your response to OFFCIAL or below. | |
| 1. What are the size weight and power requirements of the solution. | |
| **Innovative solutions are most welcome, even if they do not meet all of the requirements above, we would welcome the opportunity to consider the positives and negatives.** | |