

RFI007
REQUEST FOR INFORMATION
PROVISION OF QEC FLYCO TRAINING & CURRENCY USING
AUGMENTED/VIRTUAL REALITY

RFI Title: QEC FLYCO TRAINING & CURRENCY USING AUGMENTED/VIRTUAL REALITY

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Changes:

Date of Amendment	Amendment	Modified By:
11/03/2021	The word 'to' removed and 'to an Augmented Reality Simulator based on Ship' added to the section titled "Background" paragraph 1	Rosemary Wright

1. Introduction

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

2. Background

There exists an emergent requirement to conduct training and currency for the FLYCO team on the Queen Elizabeth Aircraft Carriers using Augmented Reality. Progression from the current training set-up utilising a simulator in a shore-based facility to an Augmented Reality Simulator based on Ship, will mean that training can be conducted at any time, whether at sea or not. Below is a list of requirements but we would be interested in other ideas in this approximate area.

Essential

- The system must be able to augment the real-time view of the Flight Deck (FD) and the surrounding airspace from FLYCO with images of in-Service aircraft day and night.
- The system must be easily programmed for each training serial, whether that be a launch, recovery, combination of both and/or aircraft in a visual circuit.
- A minimum of eight personnel must be able to conduct training simultaneously as a team, interacting with and being able to see each other in FLYCO.
- The system must react to inputs on cue from a 'System Controller'.
- The aircraft in the system must be able to be programmed with 'Emergency conditions'.
- The system must be closed, secure and accredited for use on a RN Ship.

Desirable

- Any updates required to the system should be able to be loaded locally.
- The system should allow for simulated aircraft shown not only on the deck or in the air but also on the ATC radar.
- The system should have the ability to play and pause during simulations.

3. RFI intended outcomes

This RFI aims to achieve 4 outcomes:

- Explore the market to see if existing products or technology could meet the requirements set out above. If not, then what direction is the market going and how quickly.
- Develop a procurement strategy that will deliver best value for money for Defence.

- Implement an enduring solution that allows the Authority to plan its activity against an assured continuity of service, whilst also supporting ad-hoc, un-programmed surges in demand.
- To inform a Procurement Strategy that enables the implementation of an enduring solution, for commencement from potentially Q2 2021.

4. RFI Procedure

Responses to this RFI will be reviewed by subject matter experts from the QEC platforms (led by HMS PRINCE OF WALES) and different functional areas within Navy Command Headquarters.

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.

5. How to submit responses to this RFI

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

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.

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. Responses should be limited to 800 words per section.

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, Friday 19th March 2021**.

Responses will be acknowledged electronically by return e-mail.

6. 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.

7. 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. Contact

Quoting the RFI reference, please submit

- i) any requests for clarification
- ii) all responses to this RFI and
- iii) any questions regarding Classification of document(s) intended for submission, to:

NAVYCOMRCL-RFI@mod.gov.uk

Annex A to RFI007 QEC Flyco & Currency

Question	Answer
Company Name	
Company Address	
Name of Company representative completing the RFI	
Contact details (e-mail and telephone number)	
Company web site address	
Main products/services/line of business	
Main market sector	
Number of years in this market sector	
<u>QUESTIONS</u>	
1. What is the best technical solution currently available?	

2. What technical solution might be available in 12 months?

3. What technical solution may be available in 5 years?

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.