

## RFI007– Clarification Log

Clarification Question #	Received Date	Question	Reply Date	Answer
1	22/02/2021	You are reviewing AR solutions to train Pilots and keep their skills up to date (currency)	22/02/2021	Negative. This solution is to train the Flyco personnel in the SOPs for deck operations. The aim is to be able to look out from the Flyco windows and see augmented aircraft on the deck and in the air conducting operations that Flyco personnel control/react to.
2	22/02/2021	I understand this is only an RFI. So if you decide to procure a solution would this be in 2021 or 2022?	22/02/2021	Looking for a capability demonstration prior to 30 Apr with procurement thereafter. No current timeframe for procurement but ideally Q4 21 or Q1 22. To be agreed with the right solution provider.
3	22/02/2021	How is training & currency currently carried out?	22/02/2021	A mix between a simulator that is currently housed at BAE Warton, coupled with live aircraft flying to the deck of the Ship.
4	22/02/2021	Are you perhaps planning reviewing (both training and actual) remote Servicing & Maintenance using AR as this links in well?	22/02/2021	No, not at present.
5	22/02/2021	When you say Flyco personnel do you mean engineers, safety, fire, weapons, deck operations personnel	23/02/2021	Flyco is made up of a number of personnel that control aircraft in the air and on the deck. They control and authorize the aircraft to take off/land and conduct many other operations. There are many different trades/branches represented in Flyco from aircrew to aviation warfare officers to air traffic controllers. Aircrew are not operating in an aircrew capacity – they are these to specifically authorize and control the aircraft and everything to do with sequencing launch/recovery of aircraft, as well as anything else that happens on the flight deck.
6	22/02/2021	<i>[Paraphrased to remove supplier information]</i> What will meet your 'supplier' criteria?	23/02/2021	There are no restrictions on who can respond to this Request for Information, we would welcome submissions from a variety of respondents to inform our understanding of the market.
7	05/03/2021	What are the timelines for this?	09/03/2021	Response to the RFI by 19 Mar, Demo Day on PWLS sometime 15 – 23 Apr and then engagement with potential partners post that for development of a system (ideally within 12 – 18 months).
8	05/03/2021	What are you expecting from industry at this time?	09/03/2021	An idea as to how they might, in principle, achieve the requirement with the technology out there. Then further engagement to take part in a demo day.

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9	05/03/2021	What are the Next Steps?	09/03/2021	Respond to the RFI with information as to how the requirement could be achieved by that company. Based on that they may be invited to take part in a demo day.
10	05/03/2021	The RFI title indicates both Augmented Reality (AR) and Virtual Reality (VR) training options are sought however the text (Para 2) mentions only AR. Can you confirm that potential solutions across all levels of immersive training are sought i.e AR, VR or even Mixed Reality (MR).	09/03/2021	Ideally, it would have to be AR because the team members should have the ability to see each other and augmented aircraft on the flight deck.
11	05/03/2021	Can you confirm the Sponsoring Authority for this RFI?	09/03/2021	Not at this time
12	09/03/2021	Has a formal Training Needs Analysis (TNA) been conducted for this requirement ?	09/03/2021	No as this is not required. This is a training / currency requirement as detailed in Brd766 - Embarked Aviation Orders. Conducting the training is currently utilised using a mix of having to visit the shore-based simulator at BAE Warton and bidding for live aircraft. The intention is to de-risk some of the currency and training by using less live aircraft and being able to train scenarios prior to conducting them for real on live aircraft. Additionally, having an AR simulator on Ship that can be used in Flyco means training/currency can take place at any time wherever the Ship is (unlike BAE Warton which is in a fixed location and requires Flyco personnel to decamp from the Ship to go there).
13	09/03/2021	What classification is this intended to be?	16/03/2021	Not defined yet, possibly OFFICIAL SENSITIVE
14	09/03/2021	What kind of data is required to be visualised within the AR/VR environment?	16/03/2021	In-Service aircraft visualised on the flight deck and in the air conducting launches/recoveries/visual circuits etc. The aircraft need to respond to inputs so they can be controlled.
15	09/03/2021	As the RFI states this to be shore-based, is there a desire to connect and collaborate with QEC within the same environment?	16/03/2021	Incorrect. This is to be a MR/AR capability that is based on the Ship.

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16	09/03/2021	Is this a siloed training environment conducted in one location? Or multiple users in disparate locations, within the same AR/VR environment?	16/03/2021	Ideally, the future would include the Bridge team so that they see the same augmented aircraft on the flight deck or in the air too but for the moment all the users will be in one compartment on the Ship.
17	09/03/2021	Is there a desire to utilise / integrate with the existing simulator housed at BAE Warton?	16/03/2021	No, as the requirement is to have a deployable system on Ship
18	09/03/2021	What is BAE's involvement? Should industry factor them into a solution, in some way?	16/03/2021	Unsure at this stage.