



Defence  
Infrastructure  
Organisation

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Application Ref: EN010098

Our Reference: DIO 10044539

The Planning Inspectorate  
National Infrastructure Directorate  
Temple Quay House  
Temple Quay  
Bristol  
BS1 6PN

24th March 2022

Dear Sir/Madam,

**The Hornsea Project Four Offshore Wind Farm**  
**Application for a Development Consent Order under Section 37 of the Planning Act 2008,**

I write to respond to the written questions addressed to the Ministry of Defence (MOD) that have been raised by the Examining Authority in relation to the above application.

**Question - DCO.1.49**

**Suggested Changes to Requirement 23 and Condition 10 [APP-203]** The Ministry of Defence has submitted [RR-022] proposals with alternative wording of the draft DCO [APP-203] which seek to address defence safeguarding needs and which it considers suitable to maintain defence requirements. Ministry of Defence: You refer to Requirement 10 (Aviation Safety) in your Relevant Representation. Requirement 10 of the draft DCO [APP-203] deals with ecological management plans. Condition 10 of the draft DML [APP-203] deals with aviation safety. Can you confirm that it is Condition 10 and not Requirement 10 that you would wish to see amended? Can you also confirm that you are satisfied with the wording of Requirement 28 (Claxby Radar Mitigation) or if not, why not and what alternative wording would you want to see?

I can confirm that the alternative condition wording relating to requirements for aviation lighting sought in the MOD submission of 16<sup>th</sup> December 2021 do relate Condition 10 of the draft DML. The amendments sought by the MOD to the wording of this condition have subsequently been agreed by the applicant as recorded in the Statement of Common Ground between the applicant and the MOD submitted at deadline 1 on the 8<sup>th</sup> March 2022.

Requirement 28 has been established to safeguard the operation of air traffic surveillance radar operated by NATS. This not relevant to defence radar safeguarding requirements. As such the MOD is not the appropriate organisation to confirm whether this condition wording is suitable.

**Question NAR.1.18**

**Staxton Wold Air Defence Radar (ADR)** The Applicant's ES chapter on Aviation and Radar effects [APP-020, paras 8.6.1.2 and 8.7.6.3] set out the agreement of the use of a theoretical TPS-77 ADR in order to inform the aviation and radar baseline study. This was done in the absence of data from the LR-25 ADR which the Applicant notes has been undergoing Site Acceptance Testing at Staxton Wold, with an expected acceptance anticipated in October 2021. Have operating parameters and specific radar technical information applicable to the LR-25 installation now been released? If not, is this information expected to be released during the Examination period? What impact will this information have on the conclusions presented in the Applicant's ES?

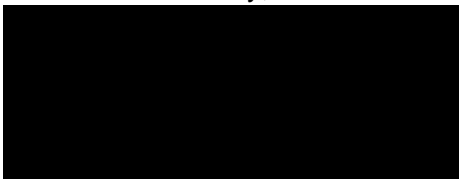
In response to the points raised above I can advise as follows:

1. To date no such information has been released. The amount of technical information relating to ADRs that can be made available in the public domain is limited and will provide details of the location and height of a radar antenna.
2. Yes, more specific details on the installation of the LR-25 radar at Remote Radar Head (RRH) - Staxton Wold is expected to be made available to the applicant from April 2023.
3. As details on the performance attributes of all ADR systems are not publicly available the applicant will only be able to obtain a radar line of sight assessment to obtain a reasonable indication of how much of the proposed windfarm will be in radar line of sight to an ADR at RRH Staxton Wold. It will not be possible for the applicant to undertake further radar modelling as is possible with air traffic control surveillance radar types to indicate the extent to which the wind turbines would be detectable and the impact this would have upon the effective operation of an ADR.

Therefore, the MOD does not expect any impact on the conclusions presented in the Applicant's ES.

I trust this adequately addresses the questions that have been raised

Yours faithfully,



Jon Wilson  
Senior Safeguarding Manager