

From: [Russell Dunham](#)
To: [Hornsea Project Three](#)
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Subject: Response to ExA Written Questions for Deadline 5 - Hornsea Three Offshore Wind Farm - EN010080
Date: 23 January 2019 16:49:45
Attachments: [Hornsea_3_OWF.pdf](#)

Dear Sir / Madam

EN010080

Registration number 20010148

Response to Examining Authority's Written Further Questions for Deadline 5

Please attached Trinity House's response dated 23 January 2019 in respect of the Hornsea Three Offshore Wind Farm.

A hard copy of the attached will also be sent by post.

Kind Regards

Russell



TRINITY HOUSE

Russell Dunham ACII

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TRINITY HOUSE

23 January 2019

The Planning Inspectorate
Temple Quay House
Temple Quay
Bristol
BS1 6PN

Your Ref: EN010080
Registration number 20010148

Response to ExA's Further Written Questions for Deadline 5 Hornsea Three Offshore Wind Farm

Dear Sir / Madam

We wish to advise our comments to the ExA's further Written Questions for Deadline 5.

The relevant Written Question, which is reproduced below for your ease of reference, was not specifically directed at Trinity House but as an interested party we would respectfully submit our response to the ExA for consideration.

Q2.5.1: Applicant, Maritime and Coastguard Agency (MCA)

The Applicant [REP2-005] and the MCA [REP3-084] disagree as to whether the Design Principles should require at least two lines of orientation. Please explain why you come to different conclusions on this matter. Are there examples of comparable OWFs which do not have at least two lines of orientation? If so, what is the typical spacing of Wind Turbine Generators (WTG) in those examples?

Trinity House Response:

Trinity House are of the opinion that the recommendations laid out in MGN543 with regard to lines of orientation should be adhered to as closely as practicable. The UK national strategy is to abide by UNCLOS and to allow free navigation through offshore windfarms once operational only restricted by safety zones for maintenance purposes. Surface Navigation through a windfarm is best achieved in straight lines. During times of restricted visibility this requirement is enhanced. As the mariner may also require to alter course due to changes to weather and sea conditions encountered during their passage through a windfarm this, in our opinion, would be best achieved with two lines of orientation.

The two lines of orientation are optimal for surface and air search and rescue operations especially over a large area and this must be considered when assessing fewer lines of orientation.

We acknowledge that there are windfarms with only one line of orientation, but these have been individually assessed, as these assessment must always be on a case by case basis, allowing for the area and expected marine traffic within the analysis of the risk.

End of response to Q2.5.1

Please address all correspondence regarding this matter to myself at russell.dunham@thls.org and to Mr Steve Vanstone at navigation.directorate@thls.org

Yours faithfully,



Russell Dunham ACII
Legal & Risk Advisor

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