



Norfolk Vanguard Offshore Wind Farm Development Principles







1 NORFOLK VANGUARD OFFSHORE WIND FARM DEVELOPMENT PRINCIPLES

- 1. In accordance with Condition 14(1)(a) of Schedules 9 and 10, and Condition 9(1)(a) of Schedules 11 and 12 of the Deemed Marine Licences for Norfolk Vanguard.
- 2. Noting the Development Consent Order still allows for final sign off any layout developed within these rules by the Marine Management Organisation in consultation with the Maritime Coastguard Agency (MCA) and Trinity House (and as per MGN 543).

	Design Rule	Reason
1	A minimum spacing of 760m shall be maintained between the centre points of all structures	To assist internal surface navigation
2	Search and Rescue (SAR) Access Lanes of 500m width shall be maintained in at least one direction within the array, with a safety justification to support, as per MGN 543, justification would set out reasoning why a single line of orientation is considered sufficient and safe for SAR surface and air navigation. In the case of wind turbines this distance is measured from the blade tips that are transverse to the SAR lane.	To facilitate SAR asset access
3	The position of Structures, so far as is practicable, shall be arranged in straight lines (to a tolerance of +-100m) either side of the centre line of an internal row for micro siting or wind energy capture; as rule 2, a safety justification will be provided) in an easily understandable pattern. Spacing between these straight lines is referred to as SAR Access Lanes.	To facilitate SAR asset access and assist internal surface navigation; whilst accounting for micro siting, turbines foundation size and energy capture.
4	As far as practicable, the position of all periphery structures around a windfarm area will be arranged in straight lines (to a tolerance of 50m either side of the centre line of the row) in an easily understandable pattern. Where routeing measures exist (e.g. the Deep Water Route (DWR)), periphery structures must be aligned with it. There should be no outliers, or surface infrastructure isolated on the periphery.	To facilitate safe navigation for marine traffic navigating within routeing measures

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