

Standard navigation conditions for inclusion within Deemed Marine Licences (DML) for offshore renewable energy installations. Agreed by Marine Management Organisation (MMO), Trinity House and Maritime and Coastguard Agency (MCA) - revised January 2016.

Notifications and Inspections:

1) The undertaker must inform the MMO Coastal Office in writing at least 5 days prior to the commencement of the authorised project or any part thereof, and within 5 days of completion of the authorised project.

2) The Kingfisher Information Service of Seafish, must be informed of details of the vessel routes, timings and locations relating to the construction of the authorised project or any part thereof by email to kingfisher@seafish.co.uk :-

a) at least 2 weeks prior to the commencement of offshore activities, for inclusion in the Kingfisher Fortnightly Bulletin and offshore hazard awareness data, and;

b) as soon as reasonably practicable and no later than 24 hours of completion of all offshore activities.

Confirmation of notification must be provided to the MMO within 5 days.

3) The undertaker must ensure that a local notice to mariners is issued at least 10 days prior to the commencement of the authorised project or any part thereof advising of the start date of each Work No.<insert> and the expected vessel routes from the construction ports to the relevant location.

Copies of all notices must be provided to the MMO and UKHO within 5 days.

4) The undertaker must ensure that local notice to mariners are updated and reissued at weekly intervals during construction activities and at least 5 days before any planned operations and maintenance works and supplemented with VHF radio broadcasts agreed with the MCA in accordance with the construction and monitoring programme approved under deemed marine licence condition <insert>.

Copies of all notices must be provided to the MMO and UKHO within 5 days.

5) The undertaker must notify the UKHO of the completion (within 10 days) of the authorised project or any part thereof in order that all necessary amendments are made to nautical charts.

Copies of all notices must be provided to the MMO within 5 days.

6) In case of damage to, or destruction or decay of, the authorised project or any part thereof the undertaker shall as soon as reasonably practicable and no later than 24 hours following the undertaker becoming aware of any such damage, destruction or decay, notify MMO, MCA, Trinity House and the UKHO.

Pre-construction plans and documents:

The authorised project shall not commence until the following have been submitted to and approved by the MMO. Each programme, statement, plan, protocol, scheme or other detail required to be approved under this condition must be submitted to the MMO for approval at least 4 months prior to the commencement of the authorised project except where otherwise stated.

1) A plan to be agreed in writing with the MMO following appropriate consultation with Trinity House and the MCA setting out proposed details of the authorised project, including the:

- a) number, dimensions, specification, foundation type(s) and depth for each WTGs, offshore platforms, substations and meteorological masts;
- b) the grid coordinates of the centre point of the proposed location for each WTG, platform, substation and meteorological mast;
- c) proposed layout of all cables; and
- d) location and specification of all other aspects of the authorised project.

2) An Aids to Navigation Management Plan to be agreed in writing by the MMO following appropriate consultation with Trinity House specifying how the undertaker will ensure compliance with conditions (1) to (4) of '**Aids to Navigation**' from the commencement of construction of the authorised project to the completion of decommissioning.

3) No part of the authorised project may commence until the MMO, in consultation with the MCA, has given written approval for an Emergency Response Co-operation Plan (ERCoP) which includes full details of the emergency response co-operation plans for the construction, operation and decommissioning phases of that part of the authorised project in accordance with the MCA recommendations contained within MGN543 "Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues".

The ERCoP and associated guidance and requirements must be implemented as approved, unless otherwise agreed in writing by the MMO in consultation with the MCA.

The document must be reviewed at least annually or whenever changes are identified, whichever is sooner, and any proposed changes must be submitted to the MMO in writing for approval, in consultation with MCA.

Aids to Navigation:

1) The undertaker shall during the whole period from the commencement of construction of the authorised project to the completion of decommissioning exhibit such lights, marks, sounds, signals and other aids to navigation, and to take such other steps for the prevention of danger to navigation as Trinity House may from time to time direct.

2) The undertaker must during the whole period from the commencement of construction of the authorised project to the completion of decommissioning keep Trinity House and the MMO informed of progress of the authorised project including;

- a. notice of commencement of construction of the authorised project within 24 hours of commencement having occurred;
- b. notice within 24 hours of any aids to navigation being established by the undertaker; and
- c. notice within 5 days of completion of construction of the authorised project.

3) The undertaker must report the availability of aids to navigation to Trinity House daily using the reporting system provided by Trinity House.

4) The undertaker must during the whole period from the commencement of construction of the authorised project to the completion of decommissioning notify Trinity House and the MMO of any failure of the aids to navigation and the timescales and plans for remedying such failures, as soon as possible and no later than 24 hours following the undertaker becoming aware of any such failure.

Colouring of structures:

1) Except as otherwise required by Trinity House the undertaker must paint all structures forming part of the authorised project yellow (colour code RAL 1023) from at least HAT to a height as directed by Trinity House. Unless the MMO otherwise directs, the undertaker must paint the remainder of the structures submarine grey (colour code RAL 7035).

Separate provision

1) No part of the authorised project may commence until the MMO in consultation with the MCA, has confirmed in writing that the undertaker has taken into account and, so far as is applicable to that stage of the project, adequately addressed all MCA recommendations as appropriate to the authorised project contained within MGN543 "Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues" and its annexes.

Post-construction plans and documents

1) The undertaker must conduct a swath bathymetric survey to IHO Order 1a of the installed export cable route and provide the data and survey report(s) to the MCA and UKHO.