



# Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

## Outline Marine Traffic Monitoring Plan

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## Glossary of Acronyms

|      |   |
|------|---|
| AIS  | Automatic Identification System                       |
| CCTV | Closed Circuit Television                             |
| DCO  | Development Consent Order                             |
| DEL  | Dudgeon Extension Limited                             |
| DEP  | Dudgeon Offshore Wind Farm Extension Project          |
| DML  | Deemed Marine Licences                                |
| DOW  | Dudgeon Offshore Wind Farm                            |
| EIA  | Environmental Impact Assessments                      |
| LAT  | Lowest Astronomical Tide                              |
| MCA  | Marine Coastguard Agency                              |
| MGN  | Marine Guidance Notes                                 |
| MMO  | Marine Management Organisation                        |
| NRA  | Navigational Risk Assessments                         |
| OREI | Offshore Renewable Energy Installations               |
| SEL  | Scira Extension Limited                               |
| SEP  | Sheringham Shoal Offshore Wind Farm Extension Project |
| SOW  | Sheringham Shoal Offshore Wind Farm                   |
| SR   | Scoping Report  |



## Glossary of Terms

|   |   |
|---|---|
| Dudgeon Offshore Wind Farm Extension Project (DEP)          | The Dudgeon Offshore Wind Farm Extension onshore and offshore sites including all onshore and offshore infrastructure.  |
| DEP North array area  | The wind farm site area of the DEP offshore site located to the north of the existing Dudgeon Offshore Wind Farm  |
| DEP wind farm site  | The offshore area of DEP within which wind turbines, infield cables and offshore substation platform/s will be located and the adjacent Offshore Temporary Works Area. This is also the collective term for the DEP North and South array areas.  |
| Sheringham Shoal Offshore Wind Farm Extension Project (SEP) | The Sheringham Shoal Offshore Wind Farm Extension onshore and offshore sites including all onshore and offshore infrastructure.   |
| SEP wind farm site  | The offshore area of SEP within which wind turbines, infield cables and offshore substation platform/s will be located and the adjacent Offshore Temporary Works Area.  |
| The Applicant   | Equinor New Energy Limited. As the owners of SEP and DEP, Scira Extension Limited and Dudgeon Extension Limited are the named undertakers that have the benefit of the DCO. References in this document to obligations on, or commitments by, 'the Applicant' are given on behalf of SEL and DEL as the undertakers of SEP and DEP. |



## 19.1 OUTLINE MARINE TRAFFIC MONITORING PLAN

### 19.1.1 Introduction

1. The Sheringham Shoal Offshore Wind Farm Extension Project (SEP) and Dudgeon Offshore Wind Farm Extension Project (DEP) are proposed extensions to the existing Sheringham Shoal Offshore Wind Farm (SOW) and Dudgeon Offshore Wind Farm (DOW). The SEP wind farm site will cover an area of approximately 97.0km<sup>2</sup> and the DEP wind farm site will cover an area of approximately 114.75km<sup>2</sup>. The closest point to the coast is 15.8km from SEP and 26.5km from DEP. Depths range from 14m below Lowest Astronomical Tide (LAT) in the northwest of the SEP wind farm site to 36m in the northwest of the DEP North array area.
2. As the owners of SEP and DEP, Scira Extension Limited (SEL) and Dudgeon Extension Limited (DEL) are the named undertakers that have the benefit of the Development Consent Order (DCO). This outline document has been prepared in acknowledgement of SEL and DEL's commitment to construction and post-construction marine traffic monitoring to the satisfaction of the Maritime and Coastguard Agency (MCA). This requirement forms a condition of the Deemed Marine Licences (DML) in the **Draft Development Consent Order** (document 3.1). The commitment is secured as follows:
  - *Construction monitoring must include vessel traffic monitoring in accordance with the outline marine traffic monitoring plan, including the provision of reports on the results of that monitoring at the end of each year of the construction period to the MMO, MCA and Trinity House.*
  - *Undertake post-construction traffic monitoring in accordance with the outline marine traffic monitoring plan, including the provision of reports on the results of that monitoring to the MMO, MCA and Trinity House.*

### 19.1.2 Current UK Policy and Legislation

3. Current UK guidance in the form of Marine Guidance Notes (MGN) 654543 (M+F) Safety of Navigation: Offshore Renewable Energy Installations (OREI) - Guidance on UK Navigational Practice, Safety and Emergency Response (April 2021), Annex 4, specifies the requirement states with regards to for monitoring that:
  - *This MGN is intended for the guidance of developers and others....The recommendations should be taken into account by OREI developers and their contracted environmental and risk assessors in the preparation of Scoping Reports (SR), Navigational Risk Assessments (NRA) and resulting EIA Reports, and in any required post-consent documents.*
  - *The recommendations should be used to evaluate all navigational possibilities, which could be reasonably foreseeable, by which the siting, construction, extension, operation and decommissioning of an OREI could cause or contribute to an obstruction of, or danger to, navigation or emergency response. They should also be used to assess possible changes to traffic patterns and the most favourable options to be adopted, including those of operational site monitoring.*



4. Specifically, the requirement for monitoring by radar, Automatic Identification System (AIS) data, closed circuit television (CCTV) or other agreed means is noted. The primary purpose of vessel traffic monitoring is to validate the findings of the **Navigational Risk Assessment** (document reference 6.3.13.1), with particular regard to predicted traffic patterns during construction and operation and the effectiveness of applied mitigation measures.

### 19.1.3 Monitoring Approach

5. The approach to monitoring will be agreed in consultation with the MCA. Monitoring will be carried out using AIS data where practical. Feedback will also be sought from relevant stakeholders where necessary.
6. Reporting of monitoring results will be provided the end of each year of the construction period to the MMO, MCA and Trinity House. Post-construction monitoring results will be provided at a frequency required by the MCA, with whom any identified changes will be discussed.