



# Hornsea Project Four: Preliminary Environmental Information Report (PEIR)

## Volume 4, Annex 4.1: Offshore Crossing Schedule

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## Glossary

Term	Definition
Array area	The consented development area where surface infrastructure shall be installed.
Export cable corridor (ECC)	The specific corridor of seabed (seaward of Mean High Water Springs (MHWS)) and land (landward of MHWS) from the Hornsea Project Four array area to the Creyke Beck National Grid substation, within which the export cables will be located.
Landfall	The generic term applied to the entire landfall area between Mean Low Water Spring (MLWS) tide and the Transition Joint Bay (TJB) inclusive of all construction works.
ETRS89 UTM Zone 31 N	Coordinate reference system

## Units

Term	Definition
m	metre
km	kilometre

## Acronyms

Acronym	Definition
ECC	Export cable corridor
ID	Identifier
LF	Landfall

## How to read the Hornsea Four Offshore Crossing Schedule

Heading in Crossing Schedule	Explanation of Information within column
<b>Ørsted Crossing Identification Number (No.)</b>	<p>1. The crossing IDs are split according to the different elements of offshore infrastructure. The permanent offshore infrastructure elements of Hornsea Four are identified as follows, and form the first part of the Crossing ID:</p> <ul style="list-style-type: none"> <li>(a) the offshore export cable corridor (ECC) crossings begin with 'ECC'; and</li> <li>(b) the offshore array area crossings begin with 'ARR'.</li> </ul> <p>2. The second part of the crossing ID relates to the crossing categories:</p> <ul style="list-style-type: none"> <li>(a) Pipeline (PL) – subsea pipelines associated with oil and gas infrastructure; and</li> <li>(b) Utility (UT) – subsea cables associated with oil and gas, interconnector or windfarm infrastructure.</li> </ul> <p>3. The third part of the Crossing ID relates to number of the crossing which runs largely in numerical order from '001'. (The exceptions to these being crossing which were identified at a later stage, and therefore follow on from the last used number).</p> <p>See the 'Plan' sheet for plans showing all Crossing Identification Numbers.</p>
<b>Type of Obstacle</b>	<p>Provides a more detailed description of the obstacle. For example:</p> <ul style="list-style-type: none"> <li>(a) Chemical pipeline;</li> <li>(b) Gas pipeline; or</li> <li>(c) Offshore wind export cable.</li> </ul>
<b>Obstacle Name</b>	<p>This will give the details of any name already assigned to the feature being crossed, e.g. name/ number of the asset to be crossed.</p>
<b>Project Element</b>	<p>The part of the Hornsea Four project the crossing relates to. For example:</p> <ul style="list-style-type: none"> <li>(a) Export cable corridor; or</li> <li>(b) Array area.</li> </ul>
<b>Asset Owner/ Responsible Authority</b>	<p>All known 'Asset owners' are listed here.</p> <p>See the 'Plan' sheet for data layers relating to utilities.</p>
<b>Obstacle Comments</b>	<p>General comments about the obstacle itself, and details about its features.</p>

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## Offshore Crossing Schedule

X Coordinate	Y Coordinate	Ørsted Crossing Identification No.	Type of Obstacle	Obstacle Name	Asset Owner	Project Element	Obstacle Comments
300228.9408	5992894.851	ECC_UT_001	Offshore Wind Export Cable	Dogger Bank Cable	Forewind	ECC	Up to six cables crossed
326617.2366	5994416.94	ECC_PL_002	44 inch Gas Pipeline	Langed Pipeline	Gassco	ECC	
347696.1164	5987435.35	ECC_PL_003	36 inch Gas Pipeline	Cleeton CP to Dimlington	Perenco UK Limited	ECC	
348523.9391	5986778.154	ECC_PL_004	5.75 inch Chemical Pipeline	Cleeton to Minerva Umbilical	Perenco UK Limited	ECC	
348554.0122	5986754.279	ECC_PL_005	16 inch Condensate Pipeline	Minerva to Cleeton	Perenco UK Limited	ECC	
348554.4209	5986753.955	ECC_PL_006	3 inch Chemical Pipeline	Minerva to Cleeton Piggy	Perenco UK Limited	ECC	
353135.0467	5987079.198	ECC_PL_007	16 inch Gas Pipeline	Neptune to Cleeton	Perenco UK Limited	ECC	
386193.0388	5987728.296	ECC_PL_008	10.25 inch Gas Pipeline	JFE Production	Premier	ECC	
386197.6671	5987734.673	ECC_PL_009	4 inch Chemical Pipeline	JFE Production	Premier	ECC	Based on indicative export cable route within the array area only.
385300.5345	5988314.639	ARR_PL_010	4 inch Chemical Pipeline	JFE Production	Premier	Array Area	
385305.4762	5988322.274	ARR_PL_011	10.25 inch Gas Pipeline	JFE Production	Premier	Array Area	
394887.4129	5985055.408	ARR_UT_012	Electricity Cable	Viking Link	National Grid	Array Area	
397245.4389	5991080.652	ARR_PL_013	34 inch Gas Pipeline	Shearwater to Bacton (SEAL)	Shell	Array Area	

