

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: June 2022

Version: 4

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1 Introduction

Ørsted is an offshore wind farm owner and operator with ten operational wind farms in UK waters. Of these ten, the following offshore wind farms are located off the East Coast of England:

- Gunfleet Sands
- Westermost Rough
- Race Bank
- Lincs
- Hornsea One

The purpose of this monthly Notice to Mariners (NtM) is to ensure that mariners are aware of any non-routine operations across the East Coast assets that could pose a risk to other sea users. Safety is paramount to Ørsted and this notice should assist in ensuring that both mariners and the Ørsted operational team can operate safely offshore. This NtM will provide:

- A regular, clear and consistent overview of non-routine operations
- Updates relating to lighting and marking
- Key contact details
- Access to detailed site information and figures
- Clarity on when Safety Zones and recommended safe separation distances are in force or requested



This Notice to Mariners will not provide:

- Information relating to routine maintenance carried out by Crew Transfer Vessels (CTV) or Service Operation Vessels (SOV).
- Any information relating to export cables
- Any information relating to offshore wind farms currently in development, construction or not operated by Ørsted

Subsea Cables

Subsea cables are installed across each offshore wind farm and are marked on the KIS ORCA charts referenced in Section 1.2. Please note the following advice from NP 100 The Mariners Handbook “Every care should be taken to avoid anchoring, trawling, fishing, dredging, drilling, or carrying out any other activity in the vicinity of cables which might damage them.” This warning is repeated on all admiralty charts.

Wind Farm Positional Data

KIS ORCA Awareness Charts (including the layout and coordinates) and Fishing Plotter Files of the offshore assets referenced in this NtM can be found via the KIS ORCA website: <https://kis-orca.org/downloads/> Should mariners require further information or any data in a format that can be used in a plotter or other device, please contact the Company Fisheries Liaison Officer, listed in Section 2 below.

2 Key Contacts

For further information on any of the activities listed within this notice, please use the contact details listed below.

Site	Ørsted Mailbox/ Offshore Coordination	Fisheries Industry Representative
Race Bank	Phone: 07826 943808 Email: rowoffshorec@orsted.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmroffshorec@orsted.co.uk	Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk
Lincs	Phone: 07766443319 Email: lincsoffshorec@orsted.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Gunfleet Sands		Merlin Jackson Phone: 07989 520484 Email: merlinjackson@btinternet.com
Hornsea One	Phone: 07775005465 Email: HOWoffshoreC@orsted.co.uk	Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk

Company Fisheries Liaison Officer

The Ørsted Company Fisheries Liaison Officer can be contacted using the details below:

Courtney French
Email: CONFR@Orsted.co.uk

3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	Yes	None	Blade campaign
Westermost Rough	A01 Fog signal	Yes	Yes	Blade LEP Main Bearing Replacement *
Lincs	OK	None	None	WTG Inspections Main Generator Replacement *
Gunfleet Sands	OK	None	None	HSS bearing inspection, drone inspections.
Hornsea One	H27 Fog Signal, A04 marine lantern & fog signal.	None	Yes	Main Bearing Replacement * Shunt reactor replacement ° *

- * Formal 500m safety zone in place
- ° Licensable activity
- ** 500m safety distance requested
- *** 200m safety distance requested
- **** 250m safety distance requested

Status of lighting & marking is correct at time of issue; any changes will be communicated through an updated version being issued.

4 Race Bank – Notice to Mariners

4.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

4.2 Other Operations

4.2.1 Benthic Survey

The survey vessel Seren Las will be on site at points during June & July to complete a benthic survey. See below for locations.

Vessel Information

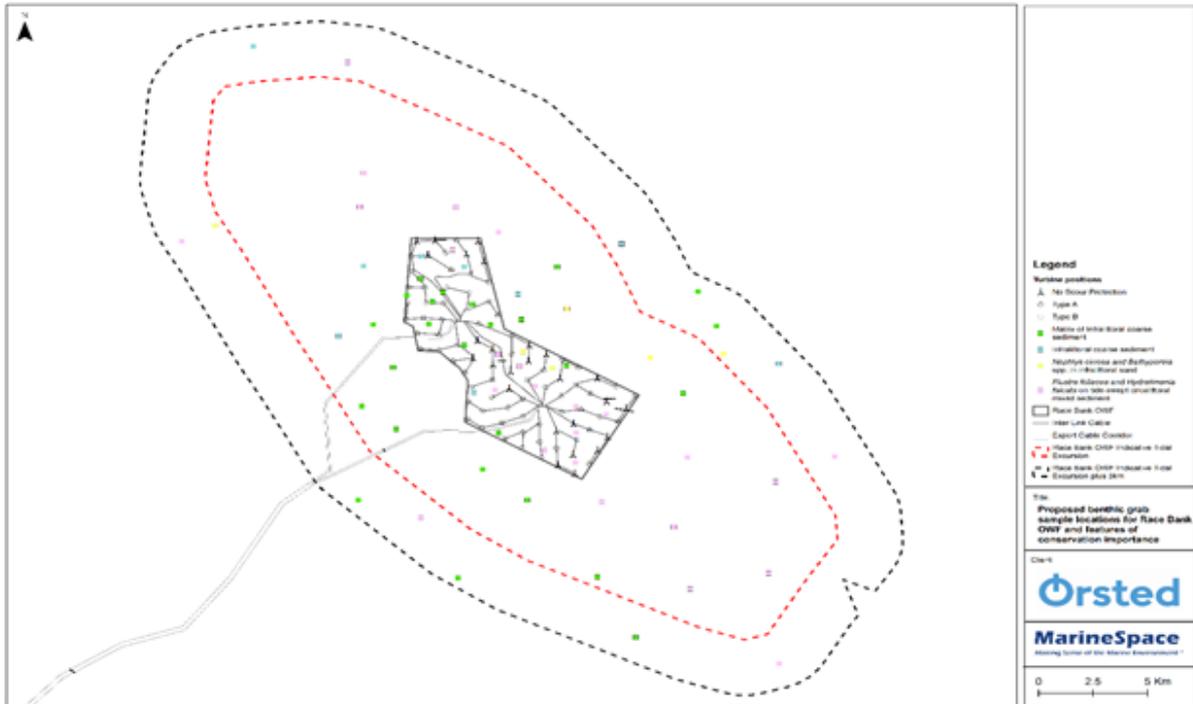
General Information		Vessel Picture
Name	Seren Las	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235087047	
Call Sign	MDAH2	
Vessel Contact Details		
Bridge		
Party Chief		
Email		

WTG ID	Latitude	Longitude
A03	53 19 166N	00 46 392E
D06	53 18 087N	00 48 770E
E08	53 15 403N	00 48 960E
F05	53 15 548N	00 49 941E
G03	53 16 315N	00 50 659E
H06	53 14 550N	00 51 267E
J01	53 16 852N	00 52 107E
J03	53 15 876N	00 52 130E
Export Cable Route	See Below note	See Below note

Notes:

Text from the methodology: *At each of these, a cruciform of grab stations have been arranged with four grab stations at 150 m from the turbine on the cardinal points aligned to the dominant tidal flow and two further grab stations at 300 m distance aligned to the tidal flow.*

They will also be sampling outside of the array in the areas shown below and at locations along the export cable route.



4.2.1 Bolt Cowling Retrofit

The CTV's SeaZip 7 & SeaZip 8 will be on site from approx. 7th June to conduct a blade campaign, we anticipate that this will take up to 2 months. Contact details for vessels TBC

When the technicians are deployed via the ropes an exclusion zone of 150m will be required.

All 91 turbines will be visited.

Vessel Information

General Information		Vessel Picture
Name	SeaZip 7	
Flag	United Kingdom [GB]	
Year Built	2018	
MMSI	232013884	
Call Sign	MCPB6	
Vessel Contact Details		
Bridge		
Party Chief		
Email		

General Information		Vessel Picture
Name	SeaZip 8	
Flag	United Kingdom [GB]	
Year Built	2018	
MMSI	232013885	
Call Sign	MCPB7	
Vessel Contact Details		
Bridge		
Party Chief		
Email		

5 Westermost Rough – Notice to Mariners

5.1 Lighting and Marking Status

A01 fog signal is constantly sounding, the issue is being investigated and this NTM will be updated when the problem has been fixed.

5.2 Other Operations

5.1.1 Blade LEP campaign

The CTV NSL Discovery and the SOV Island Condor will be on site to conduct the blade repairs until the end of September.

When the technicians are deployed via the ropes an exclusion zone of 100m will be required.

All 35 turbines will be visited. There will be a liaison officer on board the Island Condor who will communicate a 3-5 day lookahead of planned locations throughout the project.

Vessel Information

General Information		Vessel Picture
Name	NSL Discovery	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235096731	
Call Sign	2GEG9	
Vessel Contact Details		
Bridge		
Party Chief		
Email	discovery@northsealogistics.co.uk	

General Information		Vessel Picture
Name	NSL Challenger	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235113677	
Call Sign	2IXX4	
Vessel Contact Details		
Bridge		
Party Chief		
Email	challenger@northsealogistics.co.uk	

General Information		Vessel Picture
Name	MV ISLAND CONDOR	
Flag	Norway	
Year Built	2014	
MMSI	257026000	
Call Sign	LNJM3	
Vessel Contact Details		
Bridge	VSAT Bridge: +47 23 67 36 38 GSM Bridge: +47 969 04 741	
Party Chief		
Email	bridge@condor.islandoffshore.com captain@condor.islandoffshore.com	

5.1.2 Seabed survey

The vessel Titan Discovery will be on site around the 26th May to conduct a seabed survey on the locations listed below. We anticipate the vessel will need 2 days on site but this is dependent on good weather.

Vessel Information

General Information		Vessel Picture
Name	Titan Discovery	
Flag	United Kingdom (UK)	
Year Built	2013	
MMSI	235102534	
Call Sign	2HCR3	
Vessel Contact Details		
Bridge	07884 068450	
Party Chief		
Email	titan.discovery@titansurveys.com	

Locations

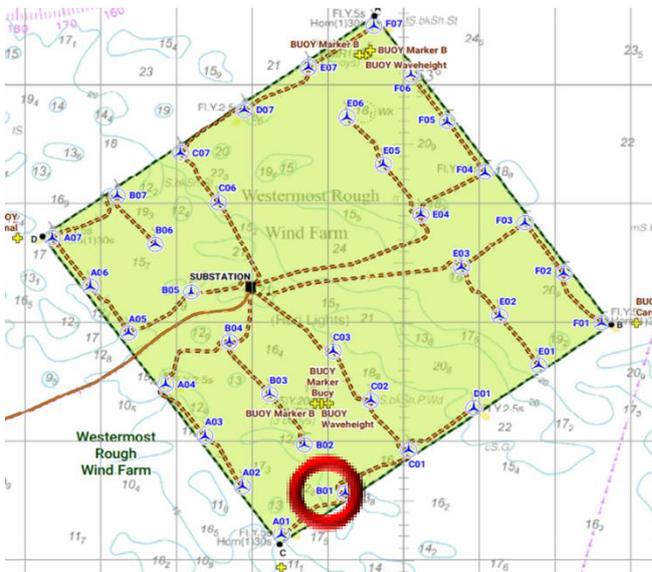
WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
OSS		
A05	53 47.911 N	00 05.369 E
B01	53 46.564 N	00 09.232 E
E03	53 48.463 N	00 10.763 E
E05	53 49.329 N	00 09.729 E

5.1.3 Main Bearing replacement

Main Bearing replacement work is expected to start at WMR on the 21st June, lasting approx. 6 days. Once the vessel is jacked up in position at B01, there will be the requirement for a 500m Safety Zone for the duration of the operation and will be supported by the CTV Ginny Louise.

General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+4561372673	
Party Chief		
Email	Master.windenterprise@ziton.eu	

General Information		Vessel Picture
Name	Ginny Louise	
Flag	United Kingdom (GB)	
Year Built	2011	
MMSI	235090162	
Call Sign	2FCV4	
Vessel Contact Details		
Bridge	+44 7943 445 087	
Party Chief		
Email	ginnylouise@tidal-transit.com	



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
WMR - B01	53° 46.56428159' N	000° 09.23182012' E

5.1.4 Inspections

The vessel World Sky will be on site for 7-10 days from the 10th June completing internal WTG inspections.

General Information		Vessel Picture
Name	World Sky	
Flag	Norway	
Year Built	2014	
MMSI	9750866	
Call Sign	OWQN2	
Vessel Contact Details		
Bridge		
Party Chief		
Email	SKY@wm-offshore.com	

6 Lincs – Notice to Mariners

6.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. Summer Outage of windfarm will require Temp Nav Aids see 6.2.2

6.2 Other Operations

6.2.1 Inspections

The vessel World Sky will be on site for 7-14 days from the 25th May completing internal WTG inspections.

Vessel Information

General Information		Vessel Picture
Name	World Sky	
Flag	Norway	
Year Built	2014	
MMSI	9750866	
Call Sign	OWQN2	
Vessel Contact Details		
Bridge		
Party Chief		
Email	SKY@wm-offshore.com	

6.2.2 Lincs Summer Outage

Between the 18th of July and the 30th of July, there will be a full site outage on Lincs Windfarm for repair work to the OSS. There will be temporary Nav Aids placed on the windfarm to cover the standard Nav Aids.

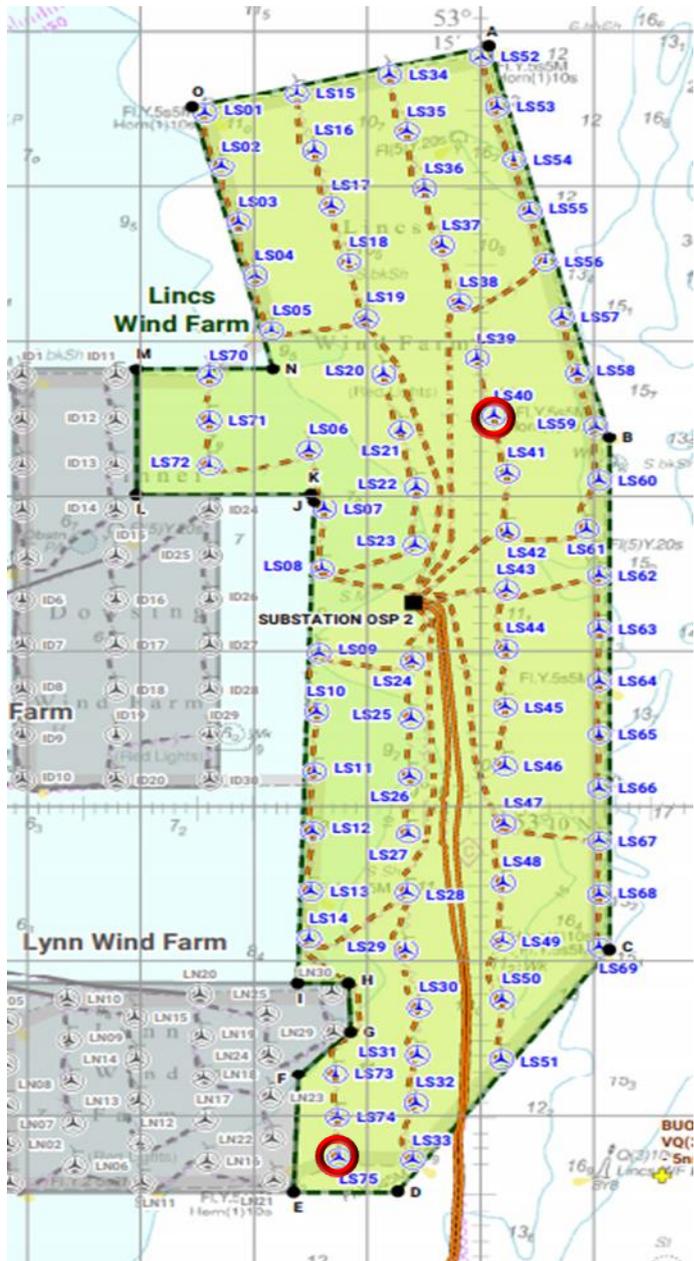
6.2.3 LS40/LS75 Generator Replacement

Emergent works will be required at 2 locations on Lincs Offshore Windfarm for Generator Replacements expected to start around the 20th of June, with works lasting up to 2 weeks. There will be the requirement for a 500m Safety Zone for the duration of the operation.

Vessel Information

General Information		Vessel Picture
Name	Wind Pioneer	
Flag	Denmark	
Year Built	2011	
MMSI	219017684	
Call Sign	OWLA2	
Vessel Contact Details		
Bridge	+4561372673	
Party Chief		
Email	Master.windpioneer@ziton.eu	





7 Gunfleet Sands – Notice to Mariners

7.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

7.2 Other Operations

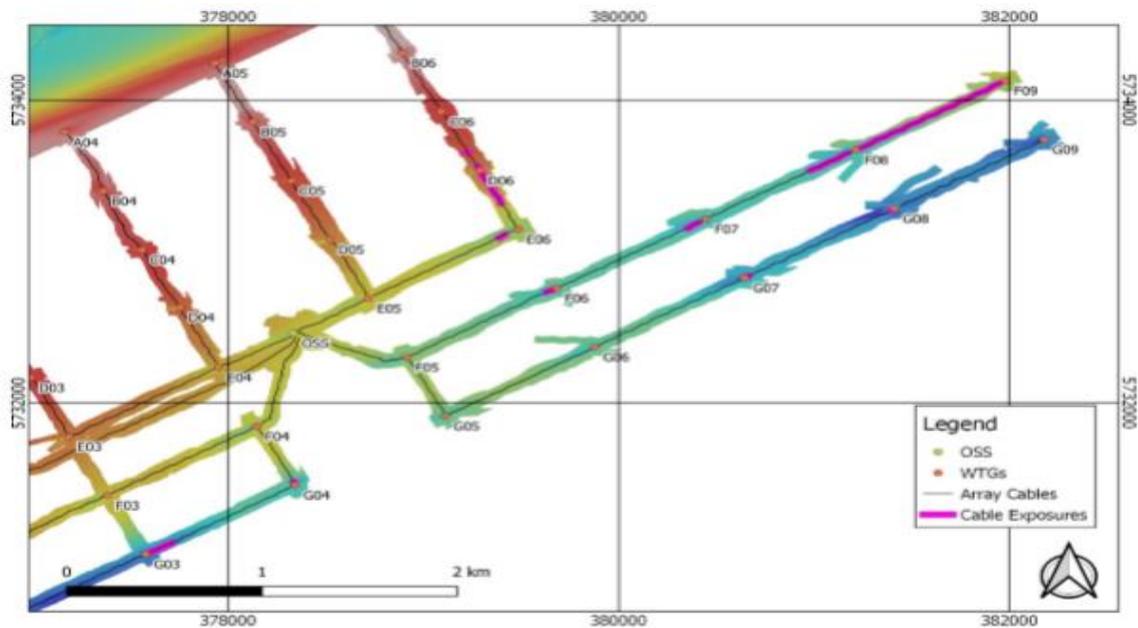
None planned

7.3 Cable exposure

There are subsea cables currently exposed as shown on the below chart and coordinates.

Array cable	Nearest WTG	Distance from WTG to start exposure [m]	Exposure length [m]	Coordinates start exposure		Coordinates end exposure	
				X	Y	X	Y
F06-F07	F07	53.9	73.9	380400.9	5733188.0	380341.2	5733147.0
F07-F08	F08	52.4	216.1	381166.3	5733649.0	380982.7	5733538.0
F08-F09	F08	28.1	827.9	381238.4	5733685.0	381942.3	5734108.0
G03-G04	G03	19.9	129.8	377595.9	5731011.0	377708.3	5731074.0
G07-G08	G07	15.4	5.8	380657.0	5732835.0	380662.0	5732838.0
G07-G08	G08	6.5	11.0	381404.9	5733280.0	381395.3	5733275.0

Table 5-1; Array cable exposures detected in GFS0102



8 Hornsea One – Notice to Mariners

8.1 Lighting and Marking Status

H27 Foghorn is currently inoperative. A04 marine lanterns & fog horn are currently inoperative. E01 currently has temporary marine lanterns installed.

8.2 Other Operations

8.2.1 Main Bearing Replacement

Main Bearing replacement work is expected to start on **11th June, lasting approx. 6 days.**

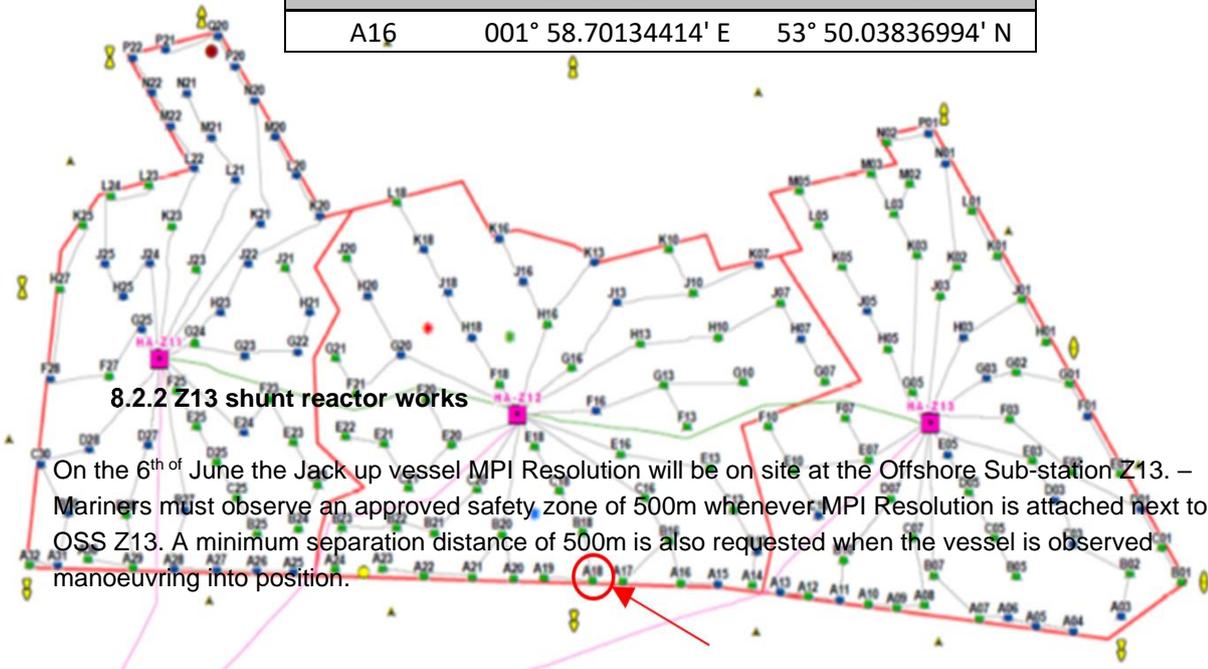
Once the vessel is jacked up in position at A16, there will be the requirement for a 500m Safety Zone for the duration of the operation.

Vessel Information

General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+4561372673	
Party Chief		
Email	Master.windenterprise@ziton.eu	

TURBINEID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
A16	001° 58.70134414' E	53° 50.03836994' N

GRID NORTH



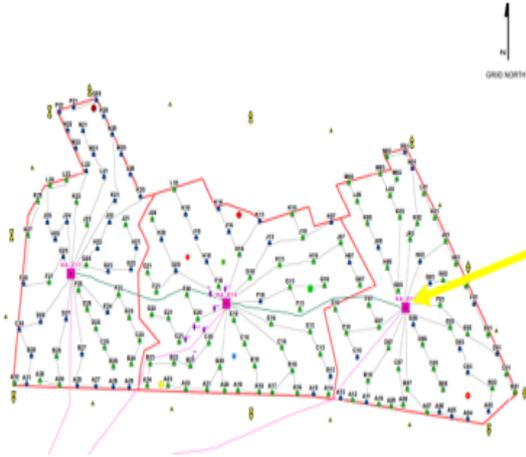
8.2.2 Z13 shunt reactor works

On the 6th of June the Jack up vessel MPI Resolution will be on site at the Offshore Sub-station Z13. – Mariners must observe an approved safety zone of 500m whenever MPI Resolution is attached next to the OSS Z13. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

General Information		Vessel Picture
Name	MPI Resolution	
Flag	Netherlands (NL)	
Year Built	2003	
MMSI	246777000	
Call Sign	PCJM	
Vessel Contact Details		
Bridge	+44 7717 668508	
Party Chief		
Email	masterres@mpi-resolution.com	



HOW01:



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
HOW01 Z 13	59 70 26.234 N	4 41 00.961 E

8.2.3 Additional CTVs

There is currently an additional CTV onsite supporting operations at HOW01 that CTV is the MCS Blue Norther.

General Information		Vessel Picture
Name	MCS Blue Norther	
Flag	UK	
Year Built	2012	
MMSI Number	235096374	
Call Sign	2GDD5	
Vessel Contact Details		
Bridge		
Party Chief		
Email	mcsbluenorther@maritimecraft.co.uk	