

# **NOTICE TO MARINERS**

## **DUDGEON OFFSHORE WIND FARM CONSTRUCTION WORKS**

**NOTICE IS HEREBY GIVEN** that construction activities are in progress at the Dudgeon Offshore Wind Farm and Export Cable Corridor.

### **Foundation Installation**

The vessel SEA Challenger will be working at the OSS location for topside work and will later perform the wind turbine generator installation onto the TP's. Work is planned to start end of August /early September, 2016 and be completed in Q3, 2017

### **Cable Installation**

The NDEAVOR cable laying vessel, operated by VBMS, will install inter-array cables to connect wind turbines to the offshore substation. This operation is on-going and expected to be completed mid–September 2016.

The Grand Canyon will be performing burial of the Inter Array Cables. This operation is expected to start late - August 2016

### **Guard vessel**

The Adventure will act as a guard vessel to safe guard the wind farm area. During port calls, Advance will be her back-up. Adventure will be on location from end April expected to be completed late October.

The Rachael S will act as guard vessel at the cable jointing location until splice is trenched and protected.

The vessel Vestland Cygnus will be used for personnel accommodation at the Dudgeon field area, and for transfer off personnel based on “walk to work” onto TP's and the OSS. Vestland Cygnus will be on location from early July until late 2016.

Ndeavour and Vestland Cygnus are supported by personnel transfer vessels

## **GENERAL**

**MARINERS ARE HEREBY INFORMED** that a statutory construction Safety Zone (exclusion zone) is in place at the wind farm site. This safety zone is defined by:

**A 500 metres radius around each wind turbine, offshore sub-station and their foundations whilst work is being performed as indicated by the presence of construction vessels; and**

**A 50 metres radius around each wind turbine, the offshore sub-station platform and associated foundation structures installed, complete or incomplete but waiting to be commissioned as part of the Dudgeon offshore wind farm where personnel are present on, or are being landed on or being taken from, the structures.**

**All vessels will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea.**

**ALL VESSELS ARE REQUESTED** to give all construction and support vessels a wide berth.

**MARINERS ARE ADVISED** to navigate with caution and keep continued watch on VHF Ch. 16 when navigating the area.

**A further notice to mariners will be issued when these works are completed, expected autumn 2016.**

**Please direct any enquiries regarding this notice to:**  
**Statoil Wind Control Centre - [statoilwindcontrol@statoil.com](mailto:statoilwindcontrol@statoil.com)**

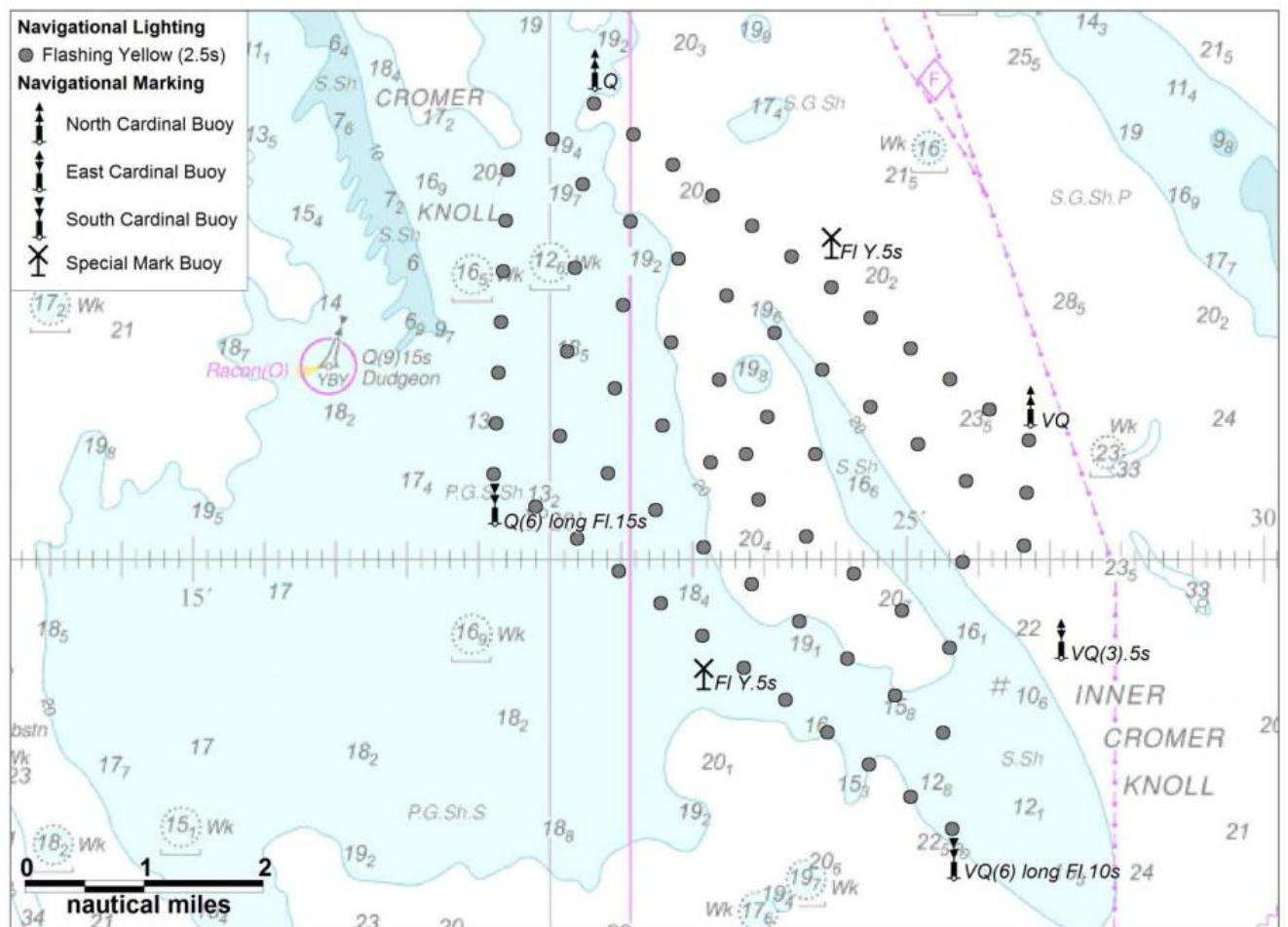
**A copy of this notice can also be found at:**

**<http://dudgeonoffshorewind.co.uk/news/notice-to-mariners>**

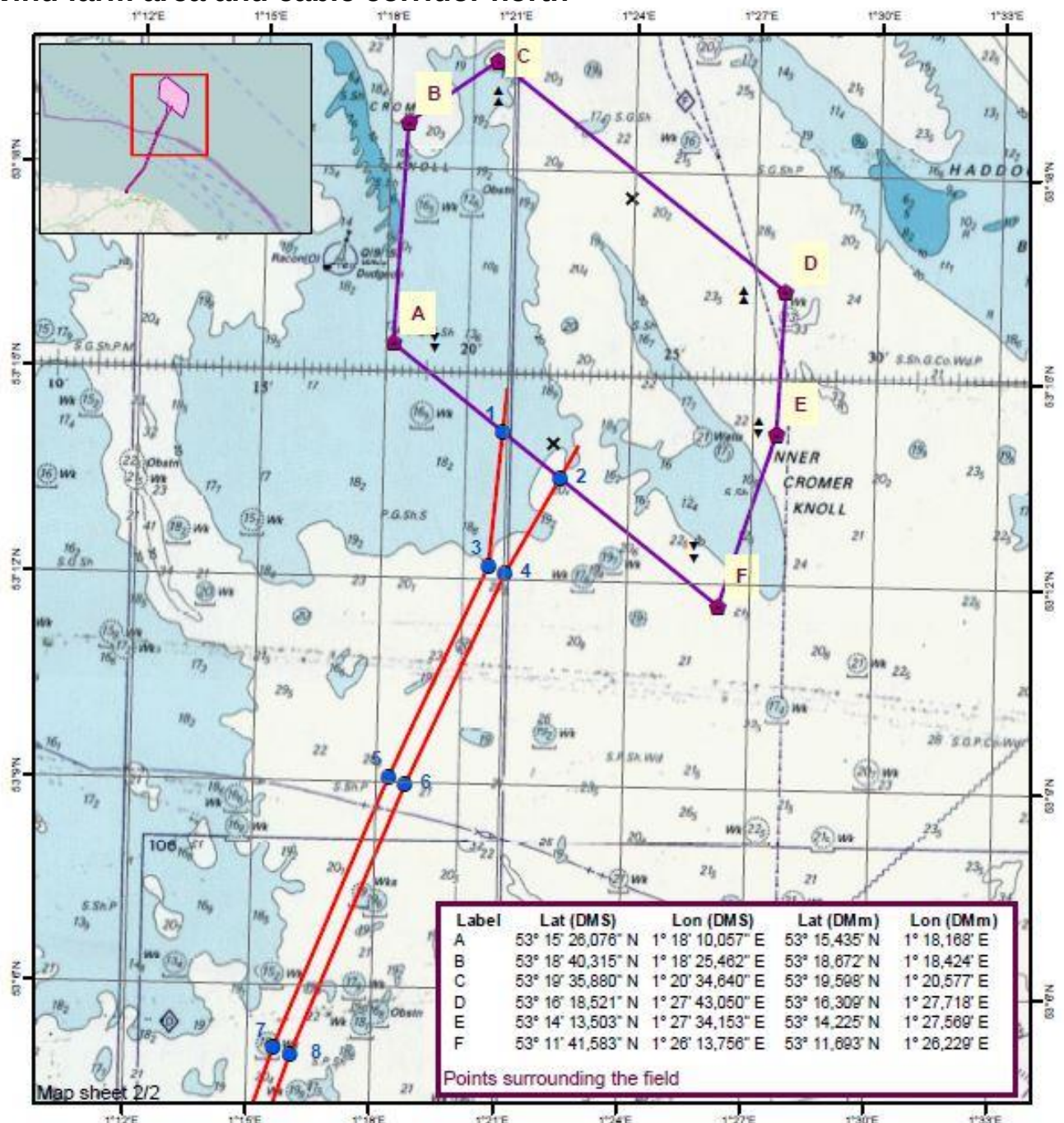
## SITE DETAILS

### Position of Navigation Buoys demarcating the Dudgeon Offshore Wind Farm site

| Mark           | Location            | Name         | Latitude      | Longitude    | Status    | Flash Character   | Code | Range |
|----------------|---------------------|--------------|---------------|--------------|-----------|-------------------|------|-------|
| North Cardinal | NW Cardinal         | N-DOW        | 53° 19,102' N | 1° 20,592' E | Temporary | Q                 | 601  | 5nm   |
| Special Mark   | Special Mark North  | DOW - SM - N | 53° 17,631' N | 1° 23,919' E | Temporary | Fl.Y.5s           | 328  | 5nm   |
| North Cardinal | North East Cardinal | NE - DOW     | 53° 16,277' N | 1° 26,691' E | Temporary | VQ                | 501  | 5nm   |
| East Cardinal  | East Cardinal       | E- DOW       | 53° 14,320' N | 1° 27,123' E | Temporary | VQ(3).5s          | 508  | 5nm   |
| South Cardinal | SE Cardinal         | S - DUDGEON  | 53° 12,470' N | 1° 25,617' E | Permanent | VQ(6) long Fl.10s | 516  | 5nm   |
| Special Mark   | Special Mark South  | DOW - SM - S | 53° 14,012' N | 1° 22,132' E | Temporary | Fl.Y.5s           | 328  | 5nm   |
| South Cardinal | SW Cardinal         | SW - DOW     | 53° 15,451' N | 1° 19,188' E | Temporary | Q(6) long Fl.15s  | 631  | 5nm   |



## Wind farm area and cable corridor north



| Label | Lat (DMS)         | Lon (DMS)        | Lat (DMm)     | Lon (DMm)    |
|-------|-------------------|------------------|---------------|--------------|
| 1     | 53° 14' 10,494" N | 1° 20' 53,200" E | 53° 14,175' N | 1° 20,887' E |
| 2     | 53° 13' 30,784" N | 1° 22' 18,795" E | 53° 13,513' N | 1° 22,313' E |
| 3     | 53° 12' 12,063" N | 1° 20' 36,508" E | 53° 12,201' N | 1° 20,808' E |
| 4     | 53° 12' 5,472" N  | 1° 21' 1,112" E  | 53° 12,091' N | 1° 21,019' E |
| 5     | 53° 9' 4,426" N   | 1° 18' 17,288" E | 53° 9,074' N  | 1° 18,288' E |
| 6     | 53° 8' 58,127" N  | 1° 18' 42,081" E | 53° 8,969' N  | 1° 18,701' E |
| 7     | 53° 5' 4,975" N   | 1° 15' 38,228" E | 53° 5,083' N  | 1° 15,637' E |
| 8     | 53° 4' 59,401" N  | 1° 16' 3,461" E  | 53° 4,990' N  | 1° 16,058' E |

Points along export cable corridor

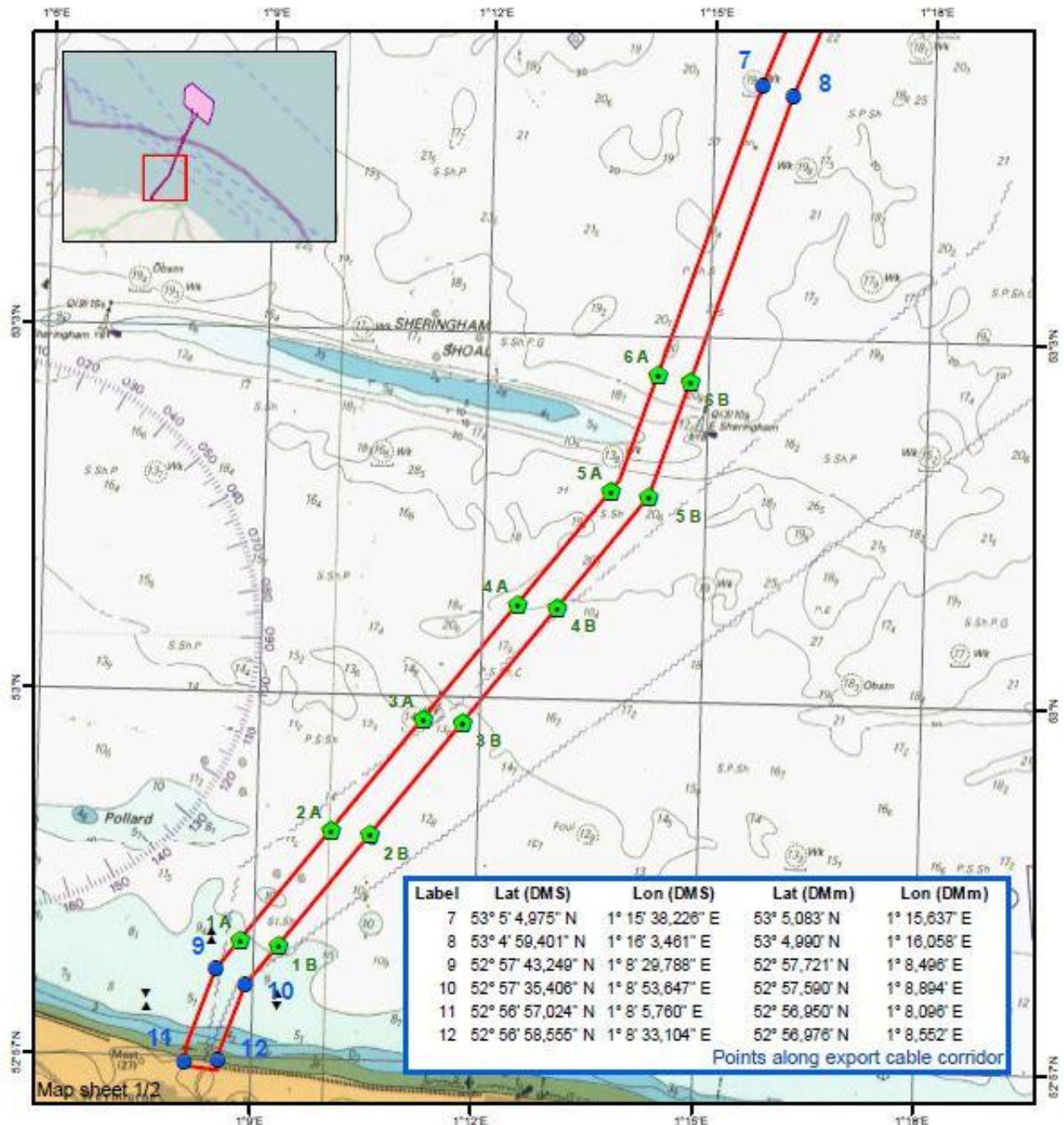
0 0,5 1 2 3 4 NM

### Legend

-  Fields Boundary Corner points
-  Field Boundary added 1000m
-  Survey Area - Export Cable, points
-  Survey Area - Export Cable
-  East Cardinal
-  North Cardinal
-  South Cardinal
-  Special Mark
-  West Cardinal

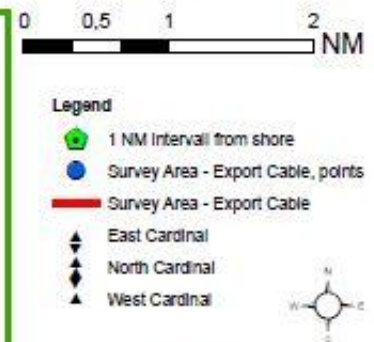


## Cable corridor south and export cable landfall



| Label | Lat (DMS)         | Lon (DMS)        | Lat (DMm)     | Lon (DMm)    |
|-------|-------------------|------------------|---------------|--------------|
| 1 A   | 52° 57' 57,894" N | 1° 8' 48,791" E  | 52° 57,965' N | 1° 8,813' E  |
| 1 B   | 52° 57' 55,481" N | 1° 9' 19,702" E  | 52° 57,925' N | 1° 9,328' E  |
| 2 A   | 52° 58' 53,227" N | 1° 10' 0,633" E  | 52° 58,887' N | 1° 10,011' E |
| 2 B   | 52° 58' 51,451" N | 1° 10' 32,388" E | 52° 58,858' N | 1° 10,540' E |
| 3 A   | 52° 59' 49,079" N | 1° 11' 13,216" E | 52° 59,818' N | 1° 11,220' E |
| 3 B   | 52° 59' 47,880" N | 1° 11' 45,752" E | 52° 59,798' N | 1° 11,763' E |
| 4 A   | 53° 0' 46,724" N  | 1° 12' 28,201" E | 53° 0,779' N  | 1° 12,470' E |
| 4 B   | 53° 0' 45,434" N  | 1° 13' 0,623" E  | 53° 0,757' N  | 1° 13,010' E |
| 5 A   | 53° 1' 43,601" N  | 1° 13' 42,256" E | 53° 1,727' N  | 1° 13,704' E |
| 5 B   | 53° 1' 41,112" N  | 1° 14' 13,136" E | 53° 1,685' N  | 1° 14,219' E |
| 6 A   | 53° 2' 41,270" N  | 1° 14' 18,352" E | 53° 2,688' N  | 1° 14,306' E |
| 6 B   | 53° 2' 38,543" N  | 1° 14' 45,145" E | 53° 2,642' N  | 1° 14,752' E |

Points marking 1NM intervals from shore



## GUARD VESSEL LOCATION

**Cable splicing** location is defined by the cable end and clump weights at the following locations:

Cable End: 381789 E, 5877403 N / 53° 01.984' N, 001° 14.229' E  
Clump Weight: 381808 E, 5877449 N / 53° 02.009' N, 001° 14.244' E

Holdback anchor / Marker buoy for initiation clump weight  
Clump Weight: 381582 E, 5877163 N / 53° 01.853' N, 001° 14.048' E  
Cable End: 381621 E, 5877206 N / 53° 01.876' N, 001° 14.082' E

## KEY CONSTRUCTION VESSEL CONTACT DETAILS

### Ndeavour



**Callsign: 5BVG3**

**Bridge phone : +87 0773 187 969 / Vsat. +31 10 713 05 28**

**E-mail: [NDEAVOR-captain@boskalis.com](mailto:NDEAVOR-captain@boskalis.com)**

### Grand Canyon



**Callsign: 3EVR8**

**Bridge phone: V-sat: +47 22 03 44 99**

**Captain: V-sat +47 21 03 45 00 / Immarsat +870 773205466**

**E-mail : [master@grand-canyon.no](mailto:master@grand-canyon.no) / [Gc1bridgesupt@helixesq.com](mailto:Gc1bridgesupt@helixesq.com)**

## Adventure



Callsign: 2IFE4  
Bridge Phone: TBA  
E-mail : [adventureGS@gmail.com](mailto:adventureGS@gmail.com)

## Rachael S



Callsign: 2FSB  
Bridge Phone: GSM, mob 07880581433, SAT.TEL: 0088 1622469422  
E-mail : [rachaelsgy305@e-catch.co.uk](mailto:rachaelsgy305@e-catch.co.uk)

### Advance WY77



**Callsign:** MZNA6

**Bridge Phone:** Sat. Phone: 00870773231090/01947 240024

**E-mail :** [adventureGS@gmail.com](mailto:adventureGS@gmail.com)

### SEA Challenger



**Callsign:** OWLQ2

**Bridge Phone:**

**E-mail :**

## Vestland Cygnus



**Callsign:** C6BW7

**Bridge Phone:** VSAT.TEL: +4723677230; +4723677230 / GSM: +47 41 43 02 07

**E-mail :** [captain.cygnus@vestlandoffshore.no](mailto:captain.cygnus@vestlandoffshore.no) ; [bridge.cygnus@vestlandoffshore.no](mailto:bridge.cygnus@vestlandoffshore.no)