

Notice to Mariners

Scottish Hydro Electric Power Distribution (SHEPD)

Pentland Firth East Submarine Cable - Repair

Date of Issue: 18th August 2021

Overview

This Notice to Mariners supersedes that of 21st July 2021

Marine construction works in relation to a submarine electricity fault investigation on one of the cables crossing the Pentland Firth are now due to commence on 26 August 2021.

The works will be carried out by a single construction vessel.

An overview of the cable route and fault location is shown below in Figure 1. The working area that will be required for the duration of the marine construction works for this phase of the fault repair process is also shown in Figure 1 with co-ordinates tabulated in Table 1.

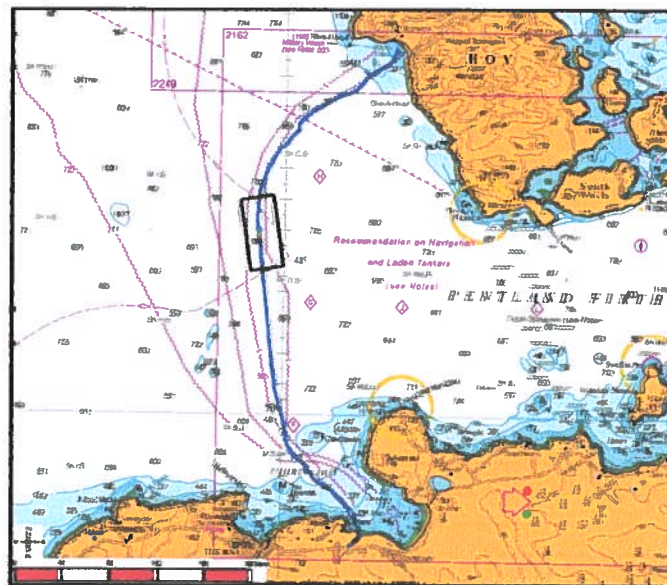


Figure 1: Route Overview and Suspected Fault Location

Table 1: Marine Working Area

Point	Lat DDM WGS84	Long DDM WGS84	WGS84 UTM Z30N E	WGS84 UTM Z30N N
NE	58° 47.508' N	3° 31.037' W	470102.07	6516984.79
NW	58° 47.352' N	3° 33.090' W	468121.63	6516711.42
SE	58° 45.225' N	3° 30.396' W	470687.10	6512743.79
SW	58° 45.070' N	3° 32.447' W	468706.63	6512470.63

The vessel carrying out the subsea cable works will be restricted in its ability to maneuver and will display the appropriate lights and shapes. Other vessels are requested to pass at a safe speed and provide a minimum

clearance of 500m (COLREGs Rule 16 & 18) from the construction vessel during marine operations. The construction vessel will monitor VHF Channel 16 at all times. Mobile contacts for the vessels are listed at the end of this NtM. Removal of fishing gear from the Marine Working Area (Table 1) is requested during the construction works in order to prevent damage to any fishing gear and to the construction equipment.

Schedule of Operations

A summary of the Schedule of Operations for the marine construction activity is shown below in Table 2.

Table 2: Schedule of Operations

Dates	Vessel Scope	Vessel(s)
26 Aug – 12 Sept 2021	Fault Investigation Vessel	Maersk Connector

Vessel and Equipment Details

The vessel that is currently planned to carry out the marine construction activities is listed in Table 3 below.

Table 3: Vessel Details

Vessel Photo	Vessel Description
	<p>Maersk Connector LOA: 138 m, Breadth: 28 m, Draft: 6 m Call Sign: OWEB2 MMSI No: 219275000</p> <p>Mobilised with FCV600 WROV and TRS1 MFE Tool</p>

Table 4: Equipment Details

Equipment Photo	Equipment Description
	<p>FCV600 Remote Operated Vehicle will be utilised from the Maersk Connector Vessel.</p> <p>Length: 2.5 m Width: 1.6 m Height: 1.8 m Weight in Air: 2.6 Te</p>

Equipment Photo	Equipment Description
	<p>TRS1 MFE Tool used for de-burial and burial operations.</p> <p>Length: 5.4 m Width: 1.8 m Height: 2.2 m Weight in Air: 9 Te</p>

Marine Construction Works Description

The construction activities will result in a fault investigation to the submarine cable linking the Scottish mainland to Hoy.

The vessel will be working 24 hour operations.

Equipment calibration operations may take place out with the defined corridor and these areas will be chosen so as not to interfere with fishing/shipping activity.

Fishing Liaison Officers

Fishing liaison for the construction works will be co-ordinated by Brown and May Marine (BMM). For any commercial fishery queries please contact the Company Fishing Liaison Officer (CFLO) Alex Winrow-Giffin (07760 160039/alex@brownmay.com). The local Fishing Industries Representatives (FIR) are James Bremner (07889 760299/ bremnj@aol.com) on the mainland and Chris Davidson in Orkney (07810 305100/cad17@hotmail.co.uk). The vessel master will issue regular broadcasts whilst construction and survey works are ongoing to ensure minimal disruption and that vessels maintain an appropriate and safe distance.

Distribution List

The Distribution List of the Notice to Mariners is as per the stakeholder list in the Fisheries Liaison and Management Action Plan (FLMAP).

Legal Notice:

Please be advised that this Notice to Mariners should be treated as official notice of the nature, duration and location of the works which are scheduled to take place. During the period of this notice, we request that you plan your activities around our short-term, temporary activities. Any failure to remove equipment or entry into the identified location in a manner that would constitute a hazard would be a breach of your duties of safe seamanship as described in the Convention on International Regulations for Preventing Collisions at Sea 1972 and/or the Merchant Shipping Act 1995.