NOTICE TO MARINERS

Moyle Interconnector Cable Repair
Campaign 1: Pinpointing, Retrieval, Seal Ends & Relay on seabed
Notification of repair work to commence 6th May 2017

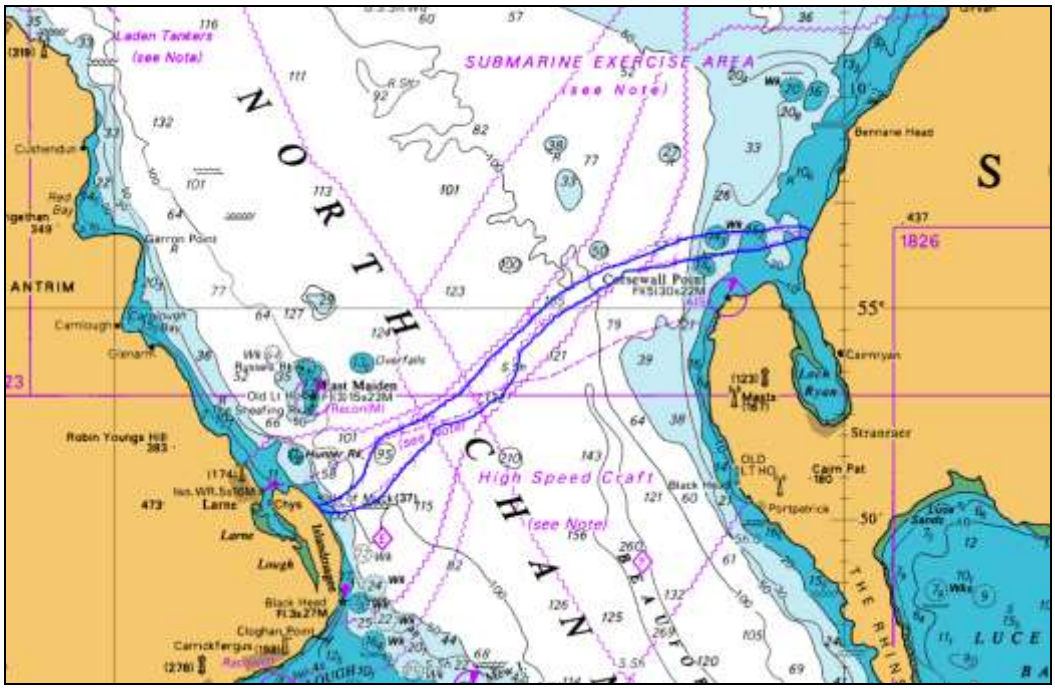
Mariners are advised that Moyle Interconnector Ltd are mobilising the vessel Elektron to execute emergency repair work on the south IRC power cable. This notice provides some information about this work.

1. Project description

The Moyle DC Cable System consists of four undersea cables running between Scotland and Northern Ireland. The cables are buried along two (north and south) corridors as shown in the route below. Each corridor contains a buried high voltage 250kV cable (called the IRC cable) and low voltage 1kV return (called the MRC cable). The cables are vital electricity link for Northern Ireland. The combined pairs of north IRC/MRC and south IRC/MRC corridors each convey 250MW of power independently. A fault occurred on the south IRC cable on February 18th 2017 rendering the south system unusable so the interconnector is currently operating at half capacity, 250MW, with the north cable system still intact. The cause of the fault is, as yet, unknown. Repair of this cable fault is intended to restore the interconnector to full capacity before winter 2017/18 and so enhance the security of electricity supply to Northern Ireland.

2. Cable Route:

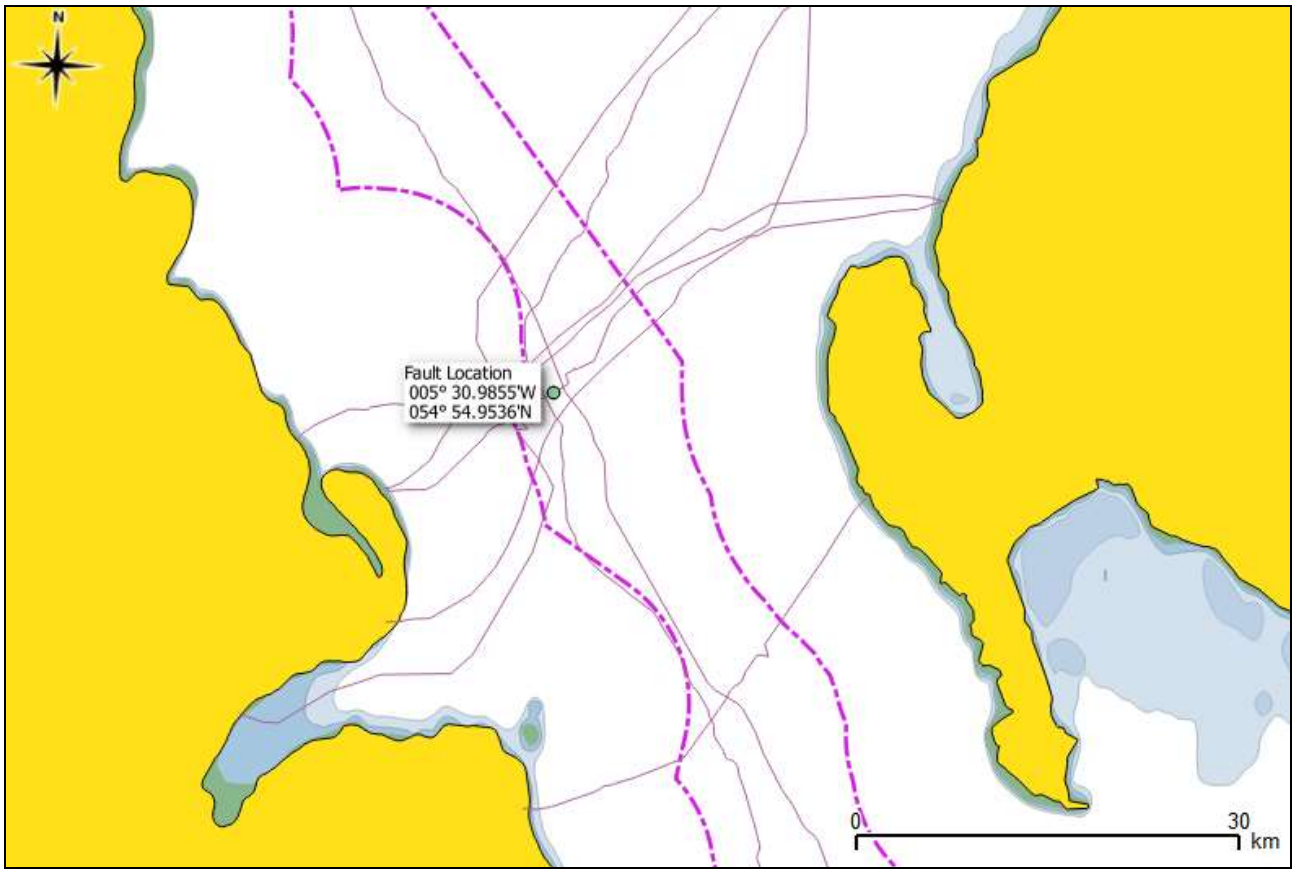
A map indicating the north and south cable routes is shown below.



The fault is on the south IRC cable at a point on the seabed centred around the coordinates given in the table below:

Item	Easting & Northing (ED50 UTM30N)		Latitude & Longitude (WGS84)	
	Easting	Northing	Longitude	Latitude
Fault location	338807	608859	005° 30.9855'W	054° 54.9536'N

This is marked on the map below.



At stages during the repair, the IRC cable will be lifted from the seabed with one cut end on the vessel deck. The catenary (length of suspended cable) may extend up to 200m either side of the vessel.

During these operations the *Elektron* will have reduced ability to manoeuvre and the cable in suspension in the water column poses an entanglement risk to other vessels. A safety exclusion zone of 500m is advised whilst the vessel is on station.

The vessel will monitor VHF Channel 16 at all times.

3. Equipment and Scope of Work

The work is to be performed in two stages:

Campaign 1 – Vessel Elektron - mobilising 6th May 2017 to, latest date vessel must leave site, 25th May 2017:

- De-trench cable (approximately 700m)
- Cut out the section containing the fault
- Seal and lay back down the cable ends in the existing trench

Campaign 2 – Vessel Nexans Skagerrak – August 2017 or sooner depending on vessel availability but to be notified by a further notice to mariners.

- Pick up cable ends and splice in a section of cable with two joints made onboard the vessel
- Lay down new section and re-bury

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