

Scottish and Southern Energy plc

# SHEPD Construction Environmental Management Plan

## SHEPD Mainland Orkney - Hoy Cable Replacements

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# SHEPD Mainland Orkney – Hoy Cable Replacements

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# 1 Introduction

Scottish Hydro Electric Power Distribution plc (SHEPD) holds a licence under the Electricity Act 1989 for the distribution of electricity in the North of Scotland including the islands. It has a statutory duty to provide an economic and efficient system for the distribution of electricity, and to ensure that its assets are maintained to ensure a safe, secure and reliable supply to customers. There are currently three 33 kV cables (North, Centre and South) connecting the mainland of Orkney with the Island of Hoy. SHEPD have identified the need to replace the existing North and Centre submarine power cables after asset integrity inspections. The North and Centre cables will be replaced on a like-for-like basis within their designated Installation Corridor.

A Marine Environmental Appraisal (MEA) has been developed by Xodus Group Ltd, to support SHEPD's Marine Licence, EPS Licence and Basking Shark Licence Applications which are required in order to conduct cable replacement activities within the Installation Corridors. The MEA presents a review of baseline conditions within the Installation Corridors and identifies sensitive environmental receptors which are or may be present in the area. An assessment of potential effects on these receptors associated with the proposed cable replacement activities has been undertaken, in order ascertain the magnitude and severity of environmental impacts. Where impacts have been assessed to be significant, or above acceptable criteria, mitigation protocols have been identified in order to remove or reduce the magnitude of effect. The following receptors have been assessed within the MEA:

- Designated Sites;
- Seabed and Water Quality;
- Marine Megafauna;
- Benthic and Intertidal Ecology;
- Ornithology;
- Marine Archaeology; and
- Commercial Fisheries and Other Sea Users.

This Construction Environmental Management Plan (CEMP) is designed to provide a consolidated point of reference for SHEPD and their marine contractors. It supports the processes required to help ensure that all environmental mitigation measures identified by the MEA and supporting documents are effectively disseminated to and implemented by the project team during cable replacement activities. The CEMP is informed by, and should be read in conjunction with the following documents:

- SHEPD Mainland Orkney - Hoy Cable Replacements – Marine Environmental Appraisal;
- SHEPD Orkney – Hoy (North) (3234-GO-O-TB-0002-02) and Orkney – Hoy (Centre) (3234-GO-O-TB-0004-03) Cable Installation Project Descriptions ('Project Description');
- Fisheries Liaison Mitigation Action Plan – North Coast and Orkney (FLMAP); and
- EPS and Protected Sites and Species Risk Assessment – North Coast & Orkney.



## 2 Scope

The CEMP is intended for use during all marine works (below Mean High Water Springs), associated with the Orkney - Hoy cable replacement activities, including:

- Marine geophysical survey and inspection (pre, during and post cable replacement activities);
- Detailed route engineering;
- Marine and intertidal cable replacement activities, including cable laying, trenching in the intertidal zone, and placement of filter bags and concrete mattresses; and
- Post installation reporting.

## 3 Review and Update Procedure

By its nature, the CEMP is a living document, and it is important that it is updated as the project develops, in order to capture potential changes to mitigation requirements. However, the CEMP also forms part of SHEPD's consent requirements, and as such, any material changes to the mitigation requirements may need approval from Marine Scotland's Licencing Operations Team (MS-LOT). As such, it is important that a dialogue with MS-LOT is maintained throughout the project.

Any changes to the CEMP must be reviewed and approved by the following:

- SHEPD's project manager;
- Contractor's project manager;
- SHEPD's environmental consultant; and
- MS-LOT.

As a minimum, this CEMP should be reviewed, and where necessary, updated at the following project milestones:

- Granting of Marine Licence;
- Following completion of pre-installation surveys and detailed route engineering; and
- Following any substantive change to project design or cable replacement methods.

Note – sufficient time should be allowed for potential review by MS-LOT prior to the mobilisation of marine installation vessels.

## 4 Document Structure

The mitigation requirements in this CEMP are presented in tabular form, grouped by project phase and relevant receptors. For each item of mitigation, a breakdown of both SHEPD's and their Contractor's requirements is provided, along with links and references to other relevant documents and guidance.



## 5 Mitigation Requirements

| Phase  | Aspect                  | Measure   | Requirements   | Additional Information   | SHEPD Responsibility   | Contractor Responsibility   |
|--|-------------------------|---|--|--|--|---|
| General  | Environmental Awareness | The CEMP must be available to all personnel.  | Copies of the CEMP must be available on all survey and installation vessels, and in project offices.   | N/A  | Audit  | Ensure copies made available.   |
|  |                         | All project personnel will be trained and informed of their responsibility to implement the environmental and ecological mitigation outlined in the CEMP. | Toolbox talks, inductions, and awareness notices will be used to disseminate this information among all relevant project personnel.  | MEA: Section 4.3   | Audit training, induction, and toolbox talk records.                         | Ensure appropriate training is provided to personnel.   |
|  |                         | Copies of all licences and permits must be available at relevant project locations.   | Copies of relevant licences and permits must be available on all vessels and in project offices. This includes: <ul style="list-style-type: none"> <li>Marine Licences;</li> <li>EPS Licences; and</li> <li>Basking Shark Licences.</li> </ul>   | N/A  | Provide copies of licence, and audit.  | Ensure copies maintained in relevant locations.   |
|  | Spill Response          | Emergency Spill Response Plan   | An Emergency Spill Response Plan must be developed prior to operations commencing, and should include the following details: <ul style="list-style-type: none"> <li>Immediate actions using Source-Pathway-Receptor Model;</li> <li>Communication lines and contact details;</li> <li>Reporting procedure; and</li> <li>Implementation of Lessons Learned.</li> </ul>  | MEA: Section 4.3   | Work with Contractor to develop plan, and audit implementation and training. | Work with SHEPD to develop plan, and ensure it is implemented during all relevant activities. |
|  | Waste Management        | Waste Management Plan   | Develop and Implement a Waste Management Plan to ensure the waste hierarchy is followed, and all waste is sent for onward recycling or disposal via a licenced waste route. Provisions should also be included to prevent marine litter resulting from the project.  | MEA: Section 4.3<br>NetRegs WMP Guidance<br><a href="https://www.netregs.org.uk/media/1718/a-simple-guide-to-site-waste-management-plans.pdf">https://www.netregs.org.uk/media/1718/a-simple-guide-to-site-waste-management-plans.pdf</a>  | Work with Contractor to develop plan, and audit implementation and training. | Work with SHEPD to develop plan, and ensure it is implemented.                                |
|  | Location of Works       | Installation Corridors  | All survey and cable replacement activities will be conducted within the boundaries of the North and Centre Installation Corridors.  | MEA: Section 3   | Audit  | Implement   |
| Survey and Inspection<br><i>(Not Covered by MEA)</i> | General Ecology         | Vessel Management   | The following measures will be implemented during all survey works: <ul style="list-style-type: none"> <li>All vessels will adhere to the provisions of the Scottish Marine Wildlife Watching Code (SMWWC), and the Basking Shark Code of Conduct; and</li> <li>Survey crew will be made aware of all protected species within the marine environment, and their responsibility to implement the mitigation in this document.</li> </ul> | MEA: Section 4.3<br>SMWWC:<br><a href="https://www.nature.scot/professional-advice/land-and-sea-management/managing-coasts-and-seas/scottish-marine-wildlife-watching-code">https://www.nature.scot/professional-advice/land-and-sea-management/managing-coasts-and-seas/scottish-marine-wildlife-watching-code</a><br>Basking Shark Code of Conduct:<br><a href="https://www.mcsuk.org/downloads/wildlife/basking_sharks/Basking_">https://www.mcsuk.org/downloads/wildlife/basking_sharks/Basking_</a> | Audit  | Implement, and ensure copies of the guidance are available on survey vessels.                 |



| Phase  | Aspect         | Measure  | Requirements  | Additional Information  | SHEPD Responsibility | Contractor Responsibility |
|--|----------------|--|---|---|----------------------|---------------------------|
|  |                |  |   | Shark_Code_of_Conduct_Poster  |                      |                           |
|  | Marine Mammals | Marine Mammal Monitoring                         | There will be Marine Mammal Observer (MMO) coverage for the duration of the sub-bottom profiler (SBP) activities, with adequately trained and experienced MMO(s) working standard 12-hour shifts. They will have experience of working at sea and will have successfully deployed and used PAM equipment previously and be equipped with binoculars offering at least 8x magnification. The MMO will be located at a high point on the vessel, providing good all-round visibility.   | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2. | Audit                | Implement                 |
| Geophysical Survey and Inspection<br><i>(Not Covered by MEA)</i> | Marine Mammals | Marine Mammal Observer                           | During daylight hours the MMO(s) will carry out visual observations to monitor for the presence of cetaceans, seals and basking sharks before the SBP is activated and will recommend delays in the commencement of the operation should any cetaceans be detected within the 500 m mitigation zone for cetaceans. This distance will also be 500 m for seals and basking sharks, except in the event of a need to avoid critical delay to the project in which case the mitigation zone for both species' groups will be 100 m. The criteria as to what constitutes a critical delay leading to reduction in mitigation zone distance from 500 m to 100 m would be agreed on a case by case basis in consultation with MS-LOT. | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2. | Audit                | Implement                 |
|  |                | Passive Acoustic Monitoring (PAM)                | When visibility is poor (i.e. due to fog or during hours of darkness) and/or during periods when the sea state is greater than Beaufort 3, the PAM system will be operated by a single MMO/PAM operator. The PAM system shall comprise of at least three hydrophone elements, allowing for directional localisation of detections, together with software allowing real time automated detection of marine mammal vocalisations (e.g. PAMGuard or equivalent).  | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2. | Audit                | Implement                 |
|  |                | Pre-Start Search                                 | Visual (MMO) (and acoustic (PAM) monitoring if required) will be conducted for a pre-start search of 30 minutes i.e. prior to the commencement of SBP operations. This will involve a visual (during daylight hours) or PAM watch (during poor visibility or at night) to determine if any cetaceans, seals or basking sharks are within 500 m of the activities.   | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2. | Audit                | Implement                 |
|  |                | Cetacean, Seal and Basking Shark Mitigation Zone | The mitigation zone is defined as the area within 500 m of the SBP; noting that the SBP is deployed on a ROV, this will be the centre of the mitigation zone, and not the vessel. Should any cetaceans, seals or basking sharks be detected within the mitigation zone prior to the commencement of SBP operations (or after breaks in SBP survey activity of more than 10 minutes), operations will be delayed until their passage, or the transit of the vessel, results in the cetaceans, seals or basking sharks being out-with the mitigation zone. In all three cases, there will be a 20 minute delay from the time of the last sighting within the  | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2. | Audit                | Implement                 |



| Phase                      | Aspect           | Measure                            | Requirements   | Additional Information   | SHEPD Responsibility                                   | Contractor Responsibility  |
|----------------------------|------------------|------------------------------------|--|--|--|--|
|                            |                  |                                    | mitigation zone to the commencement/recommencement of the SBP operations.  |  |  |  |
|                            |                  | Reporting                          | All recordings of cetaceans, seals and basking sharks will be made using JNCC Standard Forms. At the end of the operations, a monitoring report detailing the cetaceans recorded, methods used to detect them, and details of any problems encountered will be submitted to Marine Scotland and NatureScot. The report will also include feedback on how successful the mitigation measures were. This requirement will be communicated to the MMOs at project start up meetings and at crew change. | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.2.  | Audit  | Implement  |
|                            | Basking Sharks   | Monitoring Protocols               | The provisions of the marine mammal mitigation shall also apply to basking sharks.   | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.3.  | Audit  | Implement  |
|                            | Otters           | Monitoring Protocol                | While no SACs designated for otters are present in the vicinity of the Installation Corridors, as a measure of best practice, the provisions of the marine mammal mitigation shall also apply to otters.   | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.4.  | Audit  | Implement.   |
|                            | Ornithology      | Vessel Management                  | The survey vessels will be moving at a slow speed (maximum speed of 4-8 knots) during survey operations, to allow any rafting seabirds time to disperse before the vessel arrives. When not on survey effort, vessels will avoid bird rafts where operationally possible and it is safe to do so.  | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.5.  | Audit  | Implement.   |
| Detailed Route Engineering | Project Design   | Cable protection and stabilisation | Deposit materials (mattresses, grout bags, rock bags etc.) will be utilised for asset stabilisation.   | EPS & Protected Sites & Species RA North Coast & Orkney; Section 5.5.  | Ensure final design aligns to these parameters.        | Implement during project design.   |
|                            |                  | Surface Laying                     | The replacement Orkney – Hoy North and Centre cables will be surface laid for the offshore length. No submarine trenching or protection using rock berms will be conducted.<br><br>In addition, it is proposed that the cable will be installed by using an open-cut trench method between MLWS to MHWS at the landfall locations. An open cut trench will be excavated to install and bury the cable and split pipe may be used.  | SHEPD Orkney – Hoy (North) (3234-GO-O-TB-0002-02) and Orkney – Hoy (Centre) (3234-GO-O-TB-0004-03) Cable Installation Project Descriptions | Ensure final design aligns to these parameters.        | Implement during project design.   |
|                            |                  | Pre-Installation Surveys           | Appropriate pre-installation surveys and visual inspection will be conducted to confirm the locations of potentially sensitive features, including Annex 1 habitats and archaeological sites.  | MEA: Section 4.3   | Ensure included in Contractor's scope of works.        | Pre-installation surveys as per scope of works.  |
|                            | Benthic Habitats | Avoidance of Sensitive Habitats    | There is the potential for sensitive and protected habitats and species within the area. These include coastal saltmarshes, geogenic reefs, intertidal under-boulder communities and vegetated sea cliffs of the Atlantic and Baltic coasts within the intertidal areas or Hoy and Orkney and subtidal sands and gravel, maerl beds and reefs within the subtidal area.  | MEA: Sections 4.3, and 8.4.  | Review final design against environmental constraints. | Consider survey data and confirmed locations of sensitive habitats during route engineering. |





| Phase              | Aspect               | Measure   | Requirements   | Additional Information   | SHEPD Responsibility  | Contractor Responsibility   |
|--------------------|----------------------|---|--|--|---|---|
|                    |                      |   | The final cable route, and positioning of deposits will be optimised to avoid impacts on sensitive environmental features.   |  |   |   |
|                    | Historic Environment | Avoidance of Wrecks and Archaeological Sites.     | All wrecks or features of potential archaeological interest identified during survey operations shall be avoided by a buffer of at least 50 m.   | MEA Section 10.4.  | Review final design against archaeological constraints.                             | Consider survey data and treat confirmed locations of archaeological potential as hard constraints. |
| Cable Installation | Water Quality        | Tidal Working During Landfall Trench Construction | The timing of trenching works will be tide dependent (working at low water when the intertidal zone is exposed).   | MEA Section 6.4<br>SHEPD Orkney – Hoy (North) (3234-GO-O-TB-0002-02) and Orkney – Hoy (Centre) (3234-GO-O-TB-0004-03) Cable Installation Project Descriptions  | Audit   | Implement   |
|                    | General Ecology      | Scottish Marine Wildlife Watching Code (SMWWC)    | All vessels will adhere to the provisions of the SMWWC during installation works.  | MEA: Section 4.3.<br>SMWWC:<br><a href="https://www.nature.scot/professional-advice/land-and-sea-management/managing-coasts-and-seas/scottish-marine-wildlife-watching-code">https://www.nature.scot/professional-advice/land-and-sea-management/managing-coasts-and-seas/scottish-marine-wildlife-watching-code</a> | Audit   | Implement, and ensure copies of the guidance are available on survey vessels.                       |
|                    |                      | Vessel Speed                                      | Vessels will be travelling at a slow speed during cable replacement activities. The slow speed of the vessels will minimise the risk of disturbance and injury impacts to seabird and marine mammal receptors.   | MEA: Section 4.3   | Audit   | Implement   |
|                    |                      | Marine Mammals                                    | The management and mitigation of marine mammals (including otters) during cable replacement activities will be implemented through the onshore environmental management plans. The provisions of the SMWWC shall apply.  | Onshore CEMP   | Audit   | Implement.  |
|                    |                      | Benthic species nearshore                         | The installation activities will use Sea Earths and split pipe at and/or near the landfall sites at Orkney and Hoy for both the North and Centre cable. This could impact on potentially sensitive habitats in these intertidal areas, such as: coastal saltmarshes, geogenic reefs, vegetated sea-cliffs and intertidal under-boulder communities.<br><br>Cable routes will be laid in such a way that disturbance to these areas are limited where feasible. | Onshore CEMP and MEA: Section 8.3.2  | Review procedures and planning to mitigate against significant disturbance effects. | Implement.  |
|                    |                      | Benthic Habitats                                  | Minimise Deployment of Anchor Chains   | Reduces the potential for disturbance to benthic habitats and species including those which utilise the seabed.  | MEA: Section 4.3  | Review method statements to ensure efforts to minimise anchoring are included.                      |
|                    | Ornithology          | Vessel Lighting                                   | The following measures will be implemented to minimise the potential impacts to birds during night time working:   | MEA: Section 4.3   | Audit   | Implement   |



| Phase              | Aspect  | Measure                                 | Requirements  | Additional Information   | SHEPD Responsibility          | Contractor Responsibility  |
|--------------------|---|---|---|--|-------------------------------|--|
|                    | <i>(Also applicable to survey vessels)</i>  |   | <ul style="list-style-type: none"> <li>Lighting on-board the cable survey vessel(s) will be kept to the minimum level required to ensure safe operations; and</li> <li>Lights will be directed or shielded to prevent upward illumination and minimise disturbance; and</li> <li>Blackout blinds and/or curtains will be used on external windows/portholes where possible.</li> </ul>  |  |                               |  |
|                    | Pollution Prevention<br><i>(Also applicable to survey vessels)</i>                        | Shipboard Oil Pollution Emergency Plans | <p>Control measures and shipboard oil pollution emergency plans (SOPEP) will be in place and adhered to under MARPOL Annex I requirements.</p> <p>In the event of an accidental fuel release occurring appropriate standard practice management procedures will be implemented accordingly.</p>   | <p>MEA: Section 4.3</p> <p>As per the MARPOL 73/78 requirement under Annex I, all ships with 400 GT and above must carry an oil prevention plan as per the norms and guidelines laid down by International Maritime Organization under MEPC (Marine Environmental Protection Committee) act.</p> | Audit.                        | Demonstrate vessels are compliant with requirement, and SOPEPs up to date. |
| Cable Installation | Pollution Prevention<br><i>(Also applicable to survey vessels)</i>                        | Sewage Treatment and Storage            | Vessels will be equipped with waste disposal facilities (sewage treatment or waste storage) to IMO MARPOL Annex IV Prevention of Pollution from Ships standards. As the works are located within the 12 nm limit, no discharges of food waste, grey, or brown water will be permitted.  | MEA Section 4.3  | Audit                         | Demonstrate vessels are compliant with requirement.                        |
|                    | Marine Non-Native Species<br><i>(Also applicable to survey vessels)</i>                   | IMO Ballast Water Convention            | <p>Ballast water discharges from vessels will be managed under International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 (BWM Convention).</p> <p>The BWM Convention, adopted in 2004, aims to prevent the spread of harmful aquatic organisms from one region to another, by establishing standards and procedures for the management and control of ships' ballast water and sediments. Measures will be adopted to ensure that the risk of Non-Native Marine Species (NNMS) introduction during cable replacement activities is minimised.</p> | MEA: Section 4.3   | Audit                         | Demonstrate vessels are compliant with requirement.                        |
|                    |   | Use of clean materials.                 | Only clean stone (free from organic contaminants) shall be used in filter bags to reduce the risk of NNMS.  | <p>MEA Section 4.3</p> <p>SHEPD Orkney – Hoy (North) (3234-GO-O-TB-0002-02) and Orkney – Hoy (Centre) (3234-GO-O-TB-0004-03) Cable Installation Project Descriptions</p>   | Audit                         | Implement.   |
|                    | Commercial Fisheries and Other Sea Users<br><i>(Also applicable to survey activities)</i> | Fisheries Liaison                       | A Fisheries Liaison Officer (FLO) will be employed to manage interactions between cable installation vessels, personnel, equipment and fishing activity. This will be managed through the Fisheries Liaison Mitigation Action Plan.   | <p>MEA Section 4.3</p> <p>FLMAP - North Coast and Orkney</p>   | Employ FLO and Provide FLMAP. | Work with FLO to implement FLMAP.  |
|                    |   | Navigation Warnings                     | Notice to Mariners (including local), Kingfisher bulletins, Radio Navigational Warnings, NAVTEX, and/or broadcast warnings will be promulgated in advance of any proposed works. The notices will include the time and location of any work being carried out, and emergency event procedures.  | MEA Section 4.3.   | Audit                         | Implement  |



| Phase                   | Aspect               | Measure                                 | Requirements  | Additional Information   | SHEPD Responsibility   | Contractor Responsibility  |
|-------------------------|----------------------|---|---|--|--|--|
|                         |                      | Navigational Safety                     | All vessels will operate in compliance with International Regulations for the Prevention of Collision at Sea (IRPCS) (IMO, 1972) and the International Regulations for the Safety of Life at Sea (SOLAS).   | MEA Section 4.3  | Audit  | Implement  |
|                         |                      | Communications                          | <p>Compliance with the FLMAP Delivery Programme and how Scottish Hydro Electric Power Distribution co-exist with other marine users. Specifically:</p> <ul style="list-style-type: none"> <li>Ensure that notice and information distribution is not less than 20 days, if possible, for individual vessels mobilisations;</li> <li>Regular liaison and updates by FIR with local fishermen of proposed timings with confirmations when operations are finalised; and</li> <li>Regular liaison and updates by FLO with other legitimate sea users of proposed timings with confirmations provided when planned works are finalised.</li> </ul>  | FLMAP - North Coast and Orkney.  | SHEPD's priority is to identify and pro-actively engage with legitimate sea-users who could be potentially impacted by SHEPD's work. | Implement and ensure the FLO and FIR are provided the relevant information regarding project progress. |
|                         |                      | Protocol for Archaeological Discoveries | It is acknowledged that there is the potential that archaeological features could be present within the installation corridors, which are not identified by preconstruction surveys. In order to account for this, and subject to further discussion with Historic Environment Scotland, the Crown Estate's 'Protocol for Archaeological Discoveries' (PAD) (TCE, 2014) would be used as a basis for further mitigation during installation activities. The role of the Implementation Service described within the above protocol would be replaced by an archaeological service provider appointed by SHEPD or their installation Contractor. | <p>MEA Section 10.4<br/>PAD:<br/><a href="https://www.wessexarch.co.uk/sites/default/files/field_file/2/Protocol%20For%20Archaeological%20Discoveries.pdf">https://www.wessexarch.co.uk/sites/default/files/field_file/2/Protocol%20For%20Archaeological%20Discoveries.pdf</a></p> | Audit.   | Implement, and ensure PAD is available on installation vessels.  |
| Post Cable Installation | Marine Survey        | As-Built Surveys                        | As built surveys will be conducted to ascertain the actual position of the cable, associated protection measures and locations of potential snagging risks.   | MEA: Section 4.3   | Ensure included in Contractor's scope of works.  | Conduct as-built surveys as per scope of works.  |
|                         | Historic Environment | Reporting Wrecks                        | The location of any wrecks or features of potential archaeological significance will be provided to Historic Environment Scotland, and the UKHO.  | MEA: Section 10.4  | Submit data to relevant stakeholders.  | Provide SHEPD with relevant information and data in agree format.                                      |
|                         | Close Out Reporting  | Marine Licence                          | A close out report will be submitted to Marine Scotland providing details of actual material deposits on the seabed, and as built locations of the replacement cables.  | N/A  | Submit report to MS-LOT.   | Provide SHEPD with relevant information and data in agreed format.                                     |
|                         |                      | EPS and Basking Shark Licences          | Marine Mammal reports to be provided to MS-LOT for geophysical survey activities.   | N/A  | Submit report to MS-LOT.   | Provide SHEPD with relevant information and data in agreed format.                                     |
|                         |                      | JNCC Marine Noise Registry              | JNCC marine noise registry to be updated with actual survey duration, locations, and source noise details.  | N/A  | Submit report to JNCC.   | Provide SHEPD with relevant information  |



| Phase | Aspect                       | Measure                            | Requirements  | Additional Information | SHEPD Responsibility                  | Contractor Responsibility   |
|-------|------------------------------|------------------------------------|---|------------------------|---------------------------------------|---|
|       |                              |                                    |   |                        |                                       | and data in agree format.   |
|       | Updating Marine Stakeholders | Provision of As-Built survey data. | As built survey data will be provided to the UKHO and Kingfisher for inclusion on Admiralty Charts and KIS-ORCA Cable Awareness Charts. | MEA Section 4.3.       | Submit data to relevant stakeholders. | Provide SHEPD with relevant information and data in agree format. |