Salamander Offshore Wind Farm

Onshore EIA Report

Volume ER.B.4, Annex 6.1: Commitments and Mitigations Register

SALAMANDER

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1. Overview

The project has adopted a number of Primary, Secondary and Tertiary Commitments (see **Table 6-3** of **Volume ER.B.2, Chapter 6: EIA Methodology** for definitions) as part of the EIA process in order to avoid or reduce impacts where possible. This annex details all commitments that are taken forward at Application and provides details as to how the commitments are secured. This Commitments and Mitigations Register presents mitigations for both the Offshore Development and Onshore Development and supports the Onshore planning applications.

Commitments have been informed through consultation on the Scoping Report, subsequent informal consultation with a range of key consultees and feedback from members of the public at Pre-Application Consultation (PAC) events. An overview of the consultation undertaken to date is provided within **Volume ER.B.2, Chapter 5: Stakeholder Consultation**.

The following table provides an overview of the information contained within the Commitment Register.

Table 1: Commitment Register (Section 2) Explained

Commitment Reference	Each Commitment has a unique ID assigned to it to enable consultees to easily track the evolution of commitments throughout the development of the project.
Commitment Stage	Relates to the stage of the project when the Commitment was made.
Type	Details whether the Commitment is Primary, Secondary or Tertiary (see **Table 6-3** of **Volume ER.B.2, Chapter 6: EIA Methodology**).
Project Commitment	Details the Commitment made by the Project.
Project Phase	Details the project phase the commitment is relevant to (e.g. construction).
Project Aspect	Details the project aspect the commitment is relevant to.
Topic relevance	Details the topics which the Commitment is relevant to. The Commitment will also be detailed within the identified Chapters of the Offshore and Onshore EIARs.
How is the Commitment secured?	Details the mechanism for how the Commitment is to be legally secured (for example through inclusion of a consent condition).
When? (e.g. pre-construction)	Where Commitments are secured though a management Strategy or Plan this column provides details in relation to the timing for final approval of the Strategy or Plan.
Who? (decision maker)	Where Commitments are secured though a management Strategy or Plan this column provides details in relation to the decision maker for final approval of the Strategy or Plan.
Relevant Application Documents	Where Commitments are secured though a management Strategy or Plan, the Project has sought to provide an Outline of that Strategy or Plan. Where this is the case this is detailed within this column.

Commitment Reference	Commitment Stage	Type	Commitment	Project Phase	Offshore Topic relevance																																			How is the Commitment secured?	When is the Commitment secured?	Who is the Regulator?	Relevant Application Documents
					Offshore ECC	Landfall	Offshore Array Area	Onshore Substation (ONSS)	Energy Balancing Infrastructure (EBI)	Onshore ECC	Marine Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Aviation and Radar	Seascape, Landscape and Visual Amenity	Marine Archaeology and Cultural Heritage	Other Users of the Marine Environment	Socio-economics (Combined)	Climate Change and Carbon (Offshore)	Major Accidents and Disasters (Offshore)	Geology, Hydrology and Hydrogeology	Terrestrial Ornithology	Terrestrial Ecology and Nature Conservation	Landscape and Visual Amenity	Onshore Archaeology and Cultural Heritage	Land Use and Other Users	Traffic and Transport	Onshore Noise and Vibration	Terrestrial Air Quality	Socio-economics (Combined)	Climate Change and Carbon (Onshore)	Major Accidents and Disasters (Onshore)				
Co1	Scoping	Primary	Appropriate scour protection will be put in place where required following the completion of a scour assessment.	Construction, Operation & Maintenance, and Decommissioning	X		X				X																												Requirements for scour protection outlined in the Construction Method Statement under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	Marine Directorate-Licensing Operations Team (MD-LOT)	
Co2	Scoping	Tertiary	A pre-construction geophysical cable route survey will be undertaken, the results of which will also be used to identify presence of seabed features of interest that may require further consideration prior to construction works.	Construction	X	X	X				X										X																		Undertake Cable Burial Risk Assessment (CBRA) to determine required cable protection with an aim to minimise volume and spatial extent of protection. Secured under Section 36 and/or Marine Licence consent conditions.	when CBRA is undertaken pre-construction	MD-LOT	
Co3	Scoping	Tertiary	All Project vessels will follow the requirements set out in The International Convention for the Prevention of Pollution from Ships (MARPOL).	Construction, Operation & Maintenance, and Decommissioning	X		X					X													X														Detailed in the Cable Plan which is required under Section 36 and/or Marine Licence consent conditions. Secured through the Marine Pollution Prevention Plan under Section 36 consent and/or Marine Licence conditions	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co4	Scoping	Primary	Drill mud discharge will be kept to as low as practicable and will be water-based, rather than oil-based, with minimum drilling lubricants used during the final exit phase onto the seabed.	Construction	X	X						X																											Required under Section 36 and/or Marine Licence consent conditions	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co5	EIA	Tertiary	During trenchless installation methods, best practice will be followed to minimise the risk of bentonite entering the marine environment.	Construction	X	X						X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co6	EIA	Primary	The locations of the anchors will be determined in advance (of construction) using survey information, therefore the location of each anchor will be chosen based on technical performance and to minimise the need for seabed preparation where practicable. (i.e. avoid pock marks or straddling through micrositing).	Construction			X					X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co7	EIA	Tertiary	Adherence with the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 (BWM Convention).	Construction, Operation & Maintenance, and Decommissioning	X		X					X	X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co8	Scoping	Tertiary	An Appropriate Code of Construction Practice (CoCP) will be developed and adhered to.	Construction	X		X						X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co9	Scoping	Tertiary	Construction Environmental Management Plan (CEMP) will be developed and will include details of: - A Marine Pollution Contingency Plan (MPCP) to address the risks, methods and procedures to protect the Offshore Development Area from potential polluting events associated with the Salamander Project; - A chemical risk review to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance; - A biosecurity plan (offshore) detailing how the risk of introduction and spread of invasive non-native species will be minimised; - Waste management and disposal arrangements; and - Protocol for management of Dropped Objects.	Construction	X		X				X	X	X	X		X	X	X				X			X															Required under Section 36 and/or Marine Licence consent conditions	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	Outline CEMP (ER.A.6.P.1)
Co10	Scoping	Tertiary	Operational Environmental Management Plan (OEMP) will be developed and will include details of: - A Marine Pollution Contingency Plan (MPCP) to address the risks, methods and procedures to protect the Offshore Development Area from potential polluting events associated with the Salamander Project; and - Waste management and protection of the marine environment.	Operation & Maintenance	X		X					X	X	X		X		X							X															Required under Section 36 and/or Marine Licence consent conditions	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	Outline OEMP (ER.A.6.P.2)
Co11		Tertiary	A Vessel Management Plan (VMP) will be developed and include details of: - Vessel routing to and from construction sites and ports, - Vessel notifications including Notice to Mariners and Kingfisher Bulletin; and - Code of conduct for vessel operators including for the purpose of reducing disturbance and collision with marine fauna.	Construction, Operation & Maintenance, and Decommissioning	X		X								X	X	X	X				X			X															Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co12	EIA	Tertiary	Reducing Localised Habitat Loss. Best practice will be followed to ensure that potential habitat loss is minimised throughout the proposed works (e.g. micrositing and minimising the benthic footprint of the Offshore Development).	Construction and Operation & Maintenance	X		X						X											X									X						The final Project layout will be presented within the Cable Plan and Design Specification and Layout Plan. Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co13	EIA	Primary	The substructures will be designed to withstand a certain level of marine growth; however, to manage weight / drag-induced fatigue, growth levels will be inspected regularly, and subsequent removal of this growth will be undertaken using water jetting tools if substantial accumulation is in excess of design limits is in evidence.	Operation & Maintenance	X		X						X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co14	Scoping	Primary	Avoidance of sensitive features during cable routing wherever practicable. Cables will be buried as the primary cable protection method, however other cable protection methods will be used where adequate burial cannot be achieved. A Cable Burial Risk Assessment (CBRA) will be completed to determine suitable cable protection measures, and will be implemented within relevant Project plans.	Construction and Operation & Maintenance	X		X				X		X	X		X	X	X																						Undertake CBRA to determine required cable protection with an aim to minimise volume and spatial extent of protection. Secured under Section 36 and/or Marine Licence consent conditions.	when CBRA is undertaken pre-construction	MD-LOT	

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					Offshore ECC	Landfall	Offshore Array Area	Onshore Substation (ONSS)	Energy Balancing Infrastructure (EBI)	Onshore ECC	Marine Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Aviation and Radar	Seascape, Landscape and Visual Amenity	Marine Archaeology and Cultural Heritage	Other Users of the Marine Environment	Socio-economics (Combined)	Climate Change and Carbon (Offshore)	Major Accidents and Disasters (Offshore)	Geology, Hydrology and Hydrogeology	Terrestrial Ornithology	Terrestrial Ecology and Nature Conservation	Landscape and Visual Amenity	Onshore Archaeology and Cultural Heritage	Land Use and Other Users	Traffic and Transport	Onshore Noise and Vibration	Terrestrial Air Quality	Socio-economics (Combined)	Climate Change and Carbon (Onshore)	Major Accidents and Disasters (Onshore)				
Co15	Scoping	Tertiary	Development and adherence to a Piling Strategy which defines how the noise mitigation measures will be implemented if piling forms part of the final Project Description (e.g. soft-start and ramp-up procedures) to reduce potential underwater noise effects during construction.	Construction			X							X																									Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co16	Scoping	Tertiary	Marine Mammal Mitigation Protocols (MMMP) for pile driving, geophysical surveys and Unexploded Ordnance (UXO) clearance (if needed) will be implemented. The mitigation measures will be informed by relevant guidance such as: - Joint Nature Conservation Committee (JNCC) (2010): JNCC guidelines for minimising the risk of injury and disturbance to marine mammals from seismic surveys; - JNCC (2010): JNCC guidelines for minimising the risk of injury to marine mammals from using explosives; and - JNCC (2017): JNCC guidelines for minimising the risk of injury to marine mammals from geophysical surveys. UXO MMMP to ensure the risk of auditory injury (Permanent Threshold Shift (PTS)) from UXO clearance is reduced. Piling MMMP to ensure the risk of auditory injury (PTS) from piling of anchors is reduced. Decommissioning MMMP to ensure the risk of auditory injury (PTS) from decommissioning activities is reduced.	Construction, Operation & Maintenance, and Decommissioning	X		X										X																									Established within the design principles of the Project and secured under Section 36 and/or Marine Licence consent conditions	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co17	EIA	Tertiary	Mooring lines and floating dynamic Inter-array Cables will be inspected according to the maintenance plan to confirm the structural integrity of the cable systems using a risk-based adaptive management approach. During these inspections, the presence of discarded fishing gear will be evaluated for entanglement risk and appropriate actions to remove will be taken if deemed necessary.	Operation & Maintenance			X							X	X	X																									Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co18	Scoping	Tertiary	All vessels will comply with relevant best practice navigational safety guidance from the International Regulations for the Prevention of Collisions at Sea (COLREGS) and the International Regulations for the Safety of Life at Sea (SOLAS).	Construction, Operation & Maintenance, and Decommissioning	X		X											X	X				X			X													Secured under Section 36 and/or Marine Licence consent conditions via VMP	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co19	Scoping	Tertiary	Development and adherence to a Fisheries Management and Mitigation Strategy (FMMS) e.g. appointment of Fisheries Liaison Officer (FLO) and Fisheries Industry Representative (FIR), implementation of gear claim procedures and use of Guard vessels where required.	Construction, Operation & Maintenance, and Decommissioning	X		X											X						X			X													Secured under Section 36 and/or Marine Licence consent conditions via FMMS	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	Outline FMMS (ER.A.6.P.3)
Co20	EIA	Primary	The maximum blade tip height is 310 m (above Ordnance Datum Newlyn (ODN)) which has been reduced from 325 m (above ODN) proposed at scoping.	Construction, Operation & Maintenance, and Decommissioning			X												X	X																			Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co21	Scoping	Primary	Marine Archaeological and Cultural Heritage receptors identified on the seabed within and adjacent to the Offshore Development Area will be subject to mitigation, via an Archaeological Exclusion Zone (AEZ), Temporary AEZ and/or Area of Archaeological Potential. These will be detailed and monitored through the Written Scheme of Investigation (WSI) as part of the tertiary mitigation.	Construction, Operation & Maintenance, and Decommissioning	X		X																X																	Secured under Section 36 and/or Marine Licence consent conditions via WSI and Protocols for Archaeological Discoveries (PAD).	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	WSI and PAD (ER.A.6.P.4)
Co22	Scoping	Primary	Within the WSI, geotechnical cores will be undertaken post-consent and will be preceded by a method statement for curatorial review. These cores will be located to avoid any known seabed and intertidal heritage assets. Core logs will be reviewed to assess presence/ absence of deposits or archaeological interest. Geophysical and hydrographic data will be used to inform the Marine Archaeology and Cultural Heritage Environmental Impact Assessment (EIA). This would be undertaken in line with best practice guidance. Review of new geophysical and geotechnical data will be undertaken as part of the WSI, with appropriate method statements produced. Review of geotechnical core location, acquisition and storage methodology prior to survey, core logs and photos will be completed as a minimum, with potential for a staged approach for any cores of archaeological interest. Core acquisition will also be subject to Protocols for Archaeological Discoveries (PAD) and a watching brief or training for online review (where appropriate).	Construction	X		X																X																	Secured under Section 36 and/or Marine Licence consent conditions via WSI.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	WSI and PAD (ER.A.6.P.4)
Co23	Scoping	Tertiary	The preparation of a Marine Archaeological and Cultural Heritage WSI and PAD to avoid or mitigate accidental impacts and manage discoveries of archaeological interest.	Construction, Operation & Maintenance, and Decommissioning	X		X														X																	Secured under Section 36 and/or Marine Licence consent conditions via WSI.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co24	Scoping	Tertiary	Standard 500 m safety zones will be applied around substructure elements during construction, decommissioning and major maintenance works and safety zones of up to 50 m during pre-commissioning works. Additionally, 500 m advisory safe passing distance will also be requested around all project vessels undertaking major works and restriction of navigation rights within the Offshore Array Area will be considered under Section 36A.	Construction, Operation & Maintenance, and Decommissioning	X		X												X	X				X																Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co25	EIA	Tertiary	As per required consent conditions, the details of the Offshore Development will be promulgated in advance of, and during, construction via channels such as Notices to Mariners and Kingfisher bulletins to ensure shipping and navigation users are informed about ongoing and upcoming works.	Construction, operation, maintenance, and decommissioning	X		X																	X																Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	

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Co26	Scoping	Tertiary	Adherence to relevant cable crossing plans and protocols, whereby all crossings of infrastructure will follow standard industry practice by OGUK (2015) and cable proximity and crossing agreements will be implemented.	Construction	X		X															X																	Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co27	Scoping	Tertiary	Consultation with owners and operators of other offshore infrastructure will occur to manage any works undertaken during the construction, operation and maintenance and decommissioning phases of the Salamander Project.	Construction, Operation & Maintenance, and Decommissioning	X		X															X																	Secured through consultation with asset owners, and subsequent Crossing Agreements.	Once Crossing Agreements are confirmed		
Co28	EIA	Tertiary	A Decommissioning Programme will be developed and adhered to for the decommissioning phase of the Salamander Project, however the plan will be further developed and updated to reflect best practice at the time of decommissioning.	Decommissioning	X		X						X									X		X	X										X				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co29	EIA	Primary	Project infrastructure will be designed to withstand changes to environmental conditions as a result of climate change by adhering to relevant industry best practices and codes.	Construction, Operation & Maintenance, and Decommissioning	X		X																	X											X				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co30	EIA	Tertiary	A Cable Plan will be produced prior to construction of the Offshore Export Cable(s) which will include; details of cable depth of lowering; a detailed cable laying plan which ensures safe navigation is not compromised; details of cable protection for each cable crossing; and proposals for monitoring of offshore cable.	Construction, Operation & Maintenance, and Decommissioning	X		X				X								X								X														Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co31	EIA	Tertiary	An Emergency Response Cooperation Plan (ERCoP) will be developed through consultation with the Maritime Coastguard Agency (MCA) which will encompass appropriate risk assessments and designated evacuation plans for site personnel in the unlikely event of a fire breaking out on board vessels supporting the Offshore Development.	Construction, Operation & Maintenance, and Decommissioning	X		X												X	X							X														The production and approval of an ERCoP will be a condition of the Section 36 consent and/or Marine Licence.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co32	EIA	Primary	Minimum spacing of one kilometre between each Wind Turbine Generator (WTG), measured from the centre of each WTG tower.	Construction, Operation & Maintenance, and Decommissioning			X																		X														Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co33	Scoping	Tertiary	Compliance with MGN 654 and its annexes and completion of a Search and Rescue (SAR) checklist where applicable.	Construction, Operation & Maintenance, and Decommissioning	X		X											X																				Secured under Section 36 and/or Marine Licence consent conditions via VMP.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co34	Scoping	Tertiary	The Salamander Project will provide details of offshore development to facilitate appropriate marking of all infrastructure on UK Hydrographic Office (UKHO) Admiralty Charts to the UKHO.	Construction, Operation & Maintenance, and Decommissioning	X		X										X	X																				Secured under Section 36 and/or Marine Licence consent conditions via VMP and FMMS.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co35	Scoping	Primary	Blade clearance of ≥ 22 m above Mean High Water Springs (MHWS) (in line with Royal Yachting Association's (RYA) policy (RYA, 2019)).	Construction, Operation & Maintenance, and Decommissioning			X											X																				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co36	Scoping	Tertiary	The Salamander Project will utilise Guard vessel(s), as required by risk assessment.	Construction, Operation & Maintenance, and Decommissioning	X		X										X	X																				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co37	EIA	Secondary	Consultation with MCA and Northern Lighthouse Board (NLB) on clearance depths once underkeel clearance is confirmed to reduce interaction with subsea infrastructure to As Low As Reasonably Practicable (ALARP).	Construction, Operation & Maintenance, and Decommissioning			X											X																				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent following consultation with MCA and NLB.	MD-LOT	
Co38	EIA	Secondary	Consultation with MCA and NLB on any necessary mitigations once wet storage design requirements are known.	Construction			X											X																				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent following consultation with MCA and NLB.	MD-LOT	
Co39	Scoping	Tertiary	All structures of more than 91.4 m in height will be charted on aeronautical charts and reported to the Defence Geographic Centre (DGC), which maintains the UK's database of tall structures (Digital Vertical Obstruction File(DVOF)) at least ten weeks prior to construction.	Construction			X												X																				Consultation with the CAA, Maritime and Coastguard Agency (MCA), Ministry of Defence (MoD) and Northern Lighthouse Board (NLB) prior to agreement of the Lighting and Marking Plan (LMP) and the Design Specification and Layout Plan (DSLP). Both the LMP and the DSLP will be conditions of the Section 36 and/or Marine Licence consent.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	

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Co40	Scoping	Tertiary	Any temporary obstacles associated with wind farms which are of more than 91.4 m in height (e.g. construction infrastructure such as cranes and/or meteorological masts) are to be alerted to aircrews by means of the Notice to Airmen (NOTAM) system.	Construction and Decommissioning			X												X																			Consultation with Civil Aviation Authority (CAA) will be required to ensure that temporary obstacles of more than 91.4 m are identified to aircrews by NOTAM. Notification of temporary obstacles will be a condition of the Section 36 and/or Marine Licence consent.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co41	Scoping	Tertiary	Civil Aviation Authority (CAA) will be informed of the locations, heights and lighting status of the wind turbines, including estimated and actual dates of construction and the maximum heights of any construction equipment to be used, prior to the start of construction.	Construction			X												X																			Consultation with CAA will be required. Inclusion of locations, heights and lighting status of the wind turbines on aviation charts and in the UK Integrated Aeronautical Information Package (IAIP) will be a condition of the Section 36 and/or Marine Licence consent.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co42	EIA	Secondary	Radar blanking, infill and a Transponder Mandatory Zone (TMZ) will be implemented, if required, to reduce wind turbine impact to National Air Traffic Services (NATS) radar systems.	Operation & Maintenance			X												X																			Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co43	EIA	Secondary	The Salamander Project is in the process of agreeing a solution with the Ministry of Defence (MOD) that will mitigate the impact that the Salamander WTGs will have upon the performance of the Air Defence Radar (ADR) located at Remote Radar Head (RRH) Buchan.	Operation & Maintenance			X												X																			Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co44	EIA	Primary	Mooring lines and floating dynamic Inter-array Cables will be inspected according to the maintenance plan to confirm the structural integrity of the cable systems using a risk-based adaptive management approach. During these inspections, the presence of marine debris and occurrence of discarded fishing gear will be evaluated and appropriate actions to remove will be taken if deemed necessary to reduce the risk of establishment of INNS.	Operation & Maintenance	X		X						X																											Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co45	EIA	Tertiary	Where scour protection is required, MGN 654 will be adhered to with respect to changes greater than 5% to the under keel clearance in consultation with the Maritime and Coastguard Agency (MCA).	Construction, Operation & Maintenance, and Decommissioning	X		X											X																			Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co46	EIA	Tertiary	Advance warning and accurate location details of construction, maintenance and decommissioning operations, associated Safety Zones and advisory passing distances will be given via Notifications to Mariners and Kingfisher.	Construction, Operation & Maintenance, and Decommissioning	X		X																		X													Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co47	EIA	Tertiary	Safe systems of work processes will be complied with including monitoring weather forecasts for suitability.	Construction, Operation & Maintenance, and Decommissioning	X		X																		X													Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co48	EIA	Primary	The installation of the submarine cables at landfall will be carried out using trenchless methods, being the entry pit at the Transition Joint Bay location and the exit pit no closer than 200 m below the Mean High Water Springs (MHWS).	Construction	X	X							X															X		X							Secured under Section 36 and/or Marine Licence consent conditions and Planning permission	Upon being granted the Marine Licence and Section 36 consent and Planning permission	MD-LOT and Aberdeenshire Council	
Co49	EIA	Tertiary	To support the local supply chain to make ready for large-scale opportunities predicted from the commercial ScotWind process, the Salamander Project, upon receiving consent, has committed to advertise all relevant opportunities to pertinent Scottish companies, especially small to medium-sized enterprises. The Salamander Project will hold 'Meet the buyer days' to encourage local-based companies to tender for supply chain opportunities.	Construction and Operation & Maintenance	X	X	X													X															X				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co50	EIA	Tertiary	The Community Liaison Officer (CLO) will aim to build a connection between the Salamander Project and the local community. A key role of the CLO will be to monitor and report any concerns raised by key stakeholders and the local community.	Construction and Operation & Maintenance	X	X	X													X													X				Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co51	EIA	Secondary	The Salamander Project will work closely with the other developers active in this region to develop a coordinated approach to construction in the nearshore region of the Offshore Export Cable Corridor (ECC) and fisheries liaison that seeks to minimise disruption to this receptor group. This will involve production of a joint Fisheries Management and Mitigation Strategy (FMMS).	Construction	X												X																						Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co52	EIA	Primary	The Salamander Project has taken the decision to remove trenched landfall solutions from the design envelope as a landfall installation methodology and has committed to using a trenchless installation solution between Mean Low Water Springs (MLWS) and the landward side of the foredunes.	Construction and Operation & Maintenance	X	X	X					X																X		X							Secured under Section 36 and/or Marine Licence consent conditions and Planning permission	Upon being granted the Marine Licence and Section 36 consent and Planning permission	MD-LOT and Aberdeenshire Council	
Co53	EIA	Tertiary	Approval and implementation of a Lighting and Marking Plan (LMP) in agreement with Northern Lighthouse Board (NLB) and International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA). LMP will be in line with IALA Recommendation G1162 (IALA, 2021) including a buoyed construction area if required by NLB.	Construction, Operation & Maintenance, and Decommissioning	X		X											X		X																			Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	

					Offshore Topic relevance																																				
Commitment Reference	**Commitment Stage**	**Type**	**Commitment**	**Project Phase**	Offshore ECC	Landfall	Offshore Array Area	Onshore Substation (ONSS)	Energy Balancing Infrastructure (EBI)	Onshore ECC	Marine Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Aviation and Radar	Seascape, Landscape and Visual Amenity	Marine Archaeology and Cultural Heritage	Other Users of the Marine Environment	Socio-economics (Combined)	Climate Change and Carbon (Offshore)	Major Accidents and Disasters (Offshore)	Geology, Hydrology and Hydrogeology	Terrestrial Ornithology	Terrestrial Ecology and Nature Conservation	Landscape and Visual Amenity	Onshore Archaeology and Cultural Heritage	Land Use and Other Users	Traffic and Transport	Onshore Noise and Vibration	Terrestrial Air Quality	Socio-economics (Combined)	Climate Change and Carbon (Onshore)	Major Accidents and Disasters (Onshore)	**How is the Commitment secured?**	**When is the Commitment secured?**	**Who is the Regulator?**	**Relevant Application Documents**
Co54	EIA	Tertiary	Approval and implementation of a Lighting and Marking Plan (LMP) in agreement with the Civil Aviation Authority (CAA), which will set out specific requirements in terms of aviation lighting to be installed on the wind turbines, as required under Civil Aviation Publication (CAP) 764, CAA Policy and Guidelines on Wind Turbines (Version 6, February 2016) and will include details of: - Lights and their shape, colour and character; and - Notifications and Inspections.	Construction, Operation & Maintenance, and Decommissioning			X												X	X																		The LMP will be prepared in consultation with the CAA, MoD and MCA and will take into account requirements for aviation lighting as specified in Article 223 of the UK ANO, 2016 and changes to ICAO Annex 14 Volume 2, Chapter 6, paragraph 6.2.4 promulgated in November 2016. The production and approval of a LMP will be a condition of the Section 36 consent and/or Marine Licence.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co55	EIA	Tertiary	During Construction the mooring system and attachment points will undergo Third-Party Verification (TPV) to ensure that the mooring system meets the required standards.	Construction			X																		X													Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co56	EIA	Tertiary	Continuous monitoring of each Wind Turbine Generator (WTG) through Global Positioning System (GPS) or similar technology will be carried out in line with Maritime and Coastguard Agency (MCA) and Health and Safety Executive (HSE) guidance 'Regulatory expectations on moorings for floating wind and marine devices' (HSE and MCA, 2017). Each WTG will have an alarm system that alerts the Applicant when the floating substructure moves out of a pre-defined area.	Operation & Maintenance			X																		X													Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co57	EIA	Tertiary	Best efforts to employ local workforce for the suitable scopes of Salamander Project's contracting construction and operation and maintenance activities.	Construction and Operation & Maintenance	X	X	X																X												X			Through Project commitment to supply chain management	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co58	EIA	Secondary	The Salamander Project will work with the other developers active in this region during construction to avoid, where reasonably practicable, potential overlap of piling activities between projects in order to minimise cumulative disturbance or damage to sensitive species due to underwater noise generated from temporary construction activities.	Construction			X							X																								Secured under Section 36 and/or Marine Licence consent conditions.	Upon being granted the Marine Licence and Section 36 consent	MD-LOT	
Co59	EIA	Tertiary	An Onshore Operational Environmental Management Plan (OEMP) will be developed prior to the commencement of operations and will include details of: - A Noise Management Plan - Waste Management Plan - Lighting Management Plan	Operation & Maintenance		X		X	X	X																X							X				X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co60	EIA	Tertiary	An Onshore Construction Environmental Management Plan (CEMP) will be developed and will include details of: - Soil Management Plan - Lighting Management Plan - Construction Noise and Vibration Management Plan - Pollution Prevention Plan - Air Quality Management Plan (With Dust Management Plan) - Waste Management Plan - Drainage Strategy - Wet Weather Protocol - Biosecurity Plan - Onshore Species and Habitat Protection Plan (SHPP)	Construction		X		X	X	X																X	X	X			X		X	X			X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	Outline CEMP (ER.B.6.P.1)
Co61	EIA	Tertiary	Working Hours Core working hours for the construction of the onshore components of the Salamander Offshore Wind Farm will be as follows: • Monday to Friday: 07:00 - 18:00 hours; • Saturday: 07:00 - 13:00 hours; • Up to one hour before and after core working hours for mobilisation ("mobilisation period"), i.e. 06:00 to 19:00 weekdays and 06:00 to 14:00 Saturdays; and • Sunday or Bank holidays: No planned working. Activities carried out during mobilisation will not generate significant noise levels (such as piling, or other such noisy activities). Any working hours outside of these times will be proposed to the Aberdeenshire Council in advance of the works. In circumstances outside of core working practices, specific works may have to be undertaken outside the core working hours without prior notice, and in this instance Aberdeenshire Council will be informed in writing as soon as possible	Construction		X		X	X	X																												Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co62	Scoping	Primary	Minimise the number of watercourse crossings, wherever practicable. If required, construct in line with SEPA guidance on watercourse crossings.	Construction, Operation & Maintenance, and Decommissioning		X				X																X		X										Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co63	Scoping	Tertiary	Within the Onshore Pollution Prevention Plan (as part of the Onshore CEMP) any contamination encountered during the construction phase will be subject to appropriate risk assessment and if necessary, removal or treatment and/ or mitigation as required.	Construction		X		X	X	X																X												Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co64	Scoping	Tertiary	Following construction, temporary construction areas not required for the operational phase (including for landscape, forestry and/or biodiversity measures) will be reinstated where practicable in consultation with land-owners.	Construction and Decommissioning		X		X	X	X																X	X	X	X		X							Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co65	Scoping	Tertiary	The drainage design will include Sustainable Drainage System (SuDS) measures, such as the use of settlement lagoons, swales, and interception bunds, these will be outlined in the Onshore Drainage Strategy (as part of the Onshore CEMP).	Construction and Operation & Maintenance		X		X	X	X																X												Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co66	Scoping	Tertiary	When finalising the Landfall compound, if fen habitat within the Onshore Development Area cannot be avoided, trenchless crossing will be made.	Construction		X																					X	X										Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	

Commitment Reference	Commitment Stage	Type	Commitment	Project Phase	Offshore Topic relevance																																			How is the Commitment secured?	When is the Commitment secured?	Who is the Regulator?	Relevant Application Documents
					Offshore ECC	Landfall	Offshore Array Area	Onshore Substation (ONSS)	Energy Balancing Infrastructure (EBI)	Onshore ECC	Marine Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Aviation and Radar	Seascape, Landscape and Visual Amenity	Marine Archaeology and Cultural Heritage	Other Users of the Marine Environment	Socio-economics (Combined)	Climate Change and Carbon (Offshore)	Major Accidents and Disasters (Offshore)	Geology, Hydrology and Hydrogeology	Terrestrial Ornithology	Terrestrial Ecology and Nature Conservation	Landscape and Visual Amenity	Onshore Archaeology and Cultural Heritage	Land Use and Other Users	Traffic and Transport	Onshore Noise and Vibration	Terrestrial Air Quality	Socio-economics (Combined)	Climate Change and Carbon (Onshore)	Major Accidents and Disasters (Onshore)				
Co67	Scoping	Tertiary	Ensure appropriately qualified Ecological Clerk of Works (ECoW) presence at sensitive locations and/or sensitive periods where required.	Construction		X		X	X	X																	X	X											Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co68	Scoping	Primary	Onshore ECC, OnSS, EBI, and associated infrastructure, inclusive of temporary infrastructure will avoid all designated and non-designated assets. A 50 m exclusion zone around known non-designated assets will be put in place where practicable, in relation to the Onshore ECC. This exclusion zone applies exclusively to the surface area surrounding remains, and does not extend to any subsurface or underground area.	Construction		X		X	X	X																				X								X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co69	Scoping	Tertiary	Written Scheme of Investigation (WSI) for Onshore Archaeology will be developed in line with an Outline Written Scheme of Investigation (WSI) for Onshore Archaeology. The onshore WSI will detail the survey and archaeological mitigation requirements in advance of and during construction for designated and non-designated assets where relevant. The WSI will also include a Protocol for Chance Finds during construction to avoid or mitigate accidental discoveries of archaeological interest	Construction		X		X	X	X																				X									Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	Outline WSI (ER.B.6.P.3)
Co70	Scoping	Tertiary	The Onshore Air Quality Management Plan (As part of the Onshore CEMP) will contain best practice air quality measures, which will be adopted in line with the Institute of Air Quality Management (IAQM) Guidance on the Assessment of Dust from Demolition and Construction (2014).	Construction		X		X	X	X																								X					Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co71	Scoping	Tertiary	A Landscape Management Plan (LMP) will be developed post-consent, in accordance with the Indicative Landscaping Strategy, which will include mitigation measures to help minimise potential landscape and visual effects whilst promoting ecological benefit.	Construction and Operation & Maintenance		X		X	X	X																			X	X									Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co72	Scoping	Tertiary	An Onshore Construction Traffic Management Plan (CTMP) will be developed in accordance with the outline CTMP to be submitted with the planning application. Measures to be implemented include: • An Access Management Plan (AMP) • Details of measures to communicate and manage the number and routing of HGVs during the construction phase; • Details of measures to communicate and manage the movement of construction staff traffic during the construction phase; • Details of measures to communicate and manage the safe passage of HGV and abnormal load traffic on the surrounding road network. • The CTMP will set out a phasing and timing strategy for construction traffic movements. Where necessary construction traffic movements will be reduced during periods of increased baseline traffic. • Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable.	Construction		X		X	X	X																									X	X	X		X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	Outline CTMP (ER.B.6.P.2)
Co73	Scoping	Primary	Site access design shall be finalised in consultation with Transport Scotland and taking into account the DMRB standards.	Construction, Operation & Maintenance, and Decommissioning		X		X	X	X																								X					Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co74	Scoping	Primary	The Salamander Project has committed that land take will be proportionate to that required for the safe construction and operation of the Salamander Project.	Construction, Operation & Maintenance		X		X	X	X																								X					Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co75	EIA	Primary	50 m buffers will be implemented between working areas, machinery and watercourses (shown on a 1:50,000 scale on OS mapping) where possible except at watercourse crossing points.	Construction		X		X	X	X																X													Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co76	EIA	Primary	Detailed design will be developed for the OnSS and EBI, which will include details regarding design and access. Examples of such detailed design information includes (but are not limited to): building heights and form; site layout; external appearance and colours; security fencing; vehicular and pedestrian access.	Operation & Maintenance				X	X																						X	X				X		X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co77	EIA	Tertiary	During breeding bird season, if vegetation clearance is required and pre-construction checks identify breeding birds, breeding bird mitigation measures, including establishment of buffer zones around confirmed nests, will be implemented under the supervision of a suitably qualified ECoW. If nesting birds are present, the vegetation will not be removed until the young have fledged or the nest failed.	Construction and Decommissioning		X		X	X	X																				X									Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co78	EIA	Tertiary	Best practice will be followed to ensure that potential habitat loss is minimised throughout the proposed works.	Construction, Operation & Maintenance		X		X	X	X																			X									Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co79	EIA	Tertiary	An Onshore Decommissioning Plan will be developed and adhered to for the decommissioning phase of the Salamander Project, however the plan will be further developed and updated to reflect best practice at the time of decommissioning.	Decommissioning		X		X	X	X																X	X	X				X	X	X	X		X	Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co80	EIA	Tertiary	The Salamander Project commits to compensatory tree planting shall be provided equivalent to the area felled as a result of the project.	Operation & Maintenance		X		X	X	X																													Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co81	EIA	Tertiary	Continued engagement with neighbouring developments will occur throughout the construction phase of the development where there is spatial and temporal overlap with the Onshore Development's construction activities.	Construction		X		X	X	X																													Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co82	EIA	Tertiary	Appropriate security measures will be developed and implemented throughout the lifetime of the project.	Construction, Operation & Maintenance, and Decommissioning		X		X	X	X																											X		Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co83	EIA	Tertiary	An Outline Energy Balancing Infrastructure (EBI) Safety Management Plan (SMP) will be developed including the Salamander Project's approach to safety management, taking into account the existing and emerging requirements of operating the EBI. The SMP will detail safety processes and protocols covering emergency response (e.g. response to fires), quality control and assurance of components and mitigation through design.	Construction and Operation & Maintenance					X																														X	Secured under Section 36 conditions and deemed Planning permission	Upon being granted Section 36 consent.	ECU and Aberdeenshire Council	Outline EBI SMP (ER.B.6.P.4)
Co84	EIA	Primary	Commitment to not disturb any more land than is reasonably required to facilitate construction.	Construction		X		X	X	X																								X					Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co85	EIA	Tertiary	Commitment to design lighting in line with best practice (BCT/ILP 2003). This will include measures such as minimising light spill and directing light away from boundary habitats and retained mature habitats and will be set out within the CEMP and OEMP.	Construction and Operation & Maintenance		X		X	X	X																				X									Secured under Planning permission	Upon being granted Planning permission	Aberdeenshire Council	
Co86	EIA	Secondary	Following detailed design and confirmation of final equipment specifications, updated noise modelling will be undertaken. Should modelling results indicate an increase in operational noise of more than 5 dB above the background sound levels reported at identified NSRs, the Salamander Project will construct a noise barrier to reduce operational noise as far as practicable and, as a minimum, to a level that is less than 5 dB above the background sound levels reported at identified NSRs. This process will be included in the noise management plan of the OEMP.	Operation & Maintenance					X																												X				Secured under Section 36 conditions and deemed Planning permission	Upon being granted Section 36 consent.	ECU and Aberdeenshire Council	