



# Hornsea Project Four

## G1.1 Overarching Acronyms List

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G1.1  
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## Revision Summary

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## Revision Change Log

<i>Rev</i>	<i>Page</i>	<i>Section</i>	<i>Description</i>
01	N/A	N/A	Submitted as part of Applicant response to Section 51 advice.
02			Updated for Deadline 1.
03			Updated for Deadline 3

## Acronyms

Acronym	Definition
°C	° Centigrade
1D	One-Dimensional
2D	Two-dimensional
3D	Three-dimensional
A/S	Aktieselskab (Danish: Joint Stock Company)
AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
AAWT	Annual Average Weekday Traffic
ABP	Associated British Ports
ACAP	Agreement on the Conservation of Albatrosses and Petrels
ACC	Area Control Centre
ACF	Auto-correlation Function
ACM	Asbestos Containing Material
ACOP	Approved Codes of Practice
AD	Air Defence
ADD	Acoustic Deterrent Device
ADMS	Atmospheric Dispersion Modelling System
ADR	Air Defence Radar
ADR	Air Defence Radar
AEoI	Adverse Effect on Integrity
AET	Apparent Effects Thresholds
AEZ	Archaeological Exclusion Zone
AfL	Agreement for Lease
AGDS	Acoustic Ground Discrimination System
agl	Above ground level
AILs	Abnormal Indivisible Loads
AIS	Automatic Identification System
AL	Action Level
ALARP	As Low as Reasonably Practicable
ALC	Agricultural Land Classification
AMSL	Above mean sea level
ANO	The Air Navigation Order (ANO) 2001 and Regulations
ANOVA	Analysis of Variance
AOD	Above Ordnance Datum
AODN	Above Ordnance Datum Newlyn
AONB	Area of Outstanding Natural Beauty
AONs	Apparently Occupied Nests
AOS	Apparently Occupied Sites
AoS	Area of Search
APHA	Animal and Plant Health Agency

APIS	Air Pollution Information System
APOSC	Assessment Principles for Offshore Safety Cases
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Plan
AQNA	Air Quality Management Area
AQS	Air Quality Strategy
ARA	Airborne Radar Approach
ASACS	Air Surveillance and Control System
ASSI	Area of Special Scientific Interest
ATC	Air Traffic Control
ATS	Air Traffic Service
AWD	Above Water Deterrents
AW139	AgustaWestland 139
BAC	Background Assessment Concentrations
BACI	Before-after-control-impact
BAP	Biodiversity Action Plan
BBCs	Big Bubble Curtains
BC	Background Concentrations
BCT	Bat Conservation Trust
BDMPS	Biologically Defined Minimum Population Scale
BFBL	Bedform Baseline
BEIS	Department for Business, Energy and Industrial Strategy
BERR	Department for Business, Enterprise and Regulatory Reform
Bgl	Below ground level
BGS	British Geological Survey
BMAPA	British Marine Aggregate Producers Associations
BMP	Bycatch Monitoring Programme
BMV	Below Market Value
BND	Bottlenose dolphin
BNG	Biodiversity Net Gain
BNL	Basic Noise Level
BO1	Band Option 1
BO2	Band Option 2
BO3	Band Option 3
BoCC	Birds of Conservation Concern
BoCC 4	Birds of Conservation Concern 4
BRAG	Black, Red, Amber, Green
BS	British Standards
BSI	British Standards Institute
BTO	British Trust for Ornithology
C.M.E or CME	Cooperative Maritime Etaploise
CA	Constant Averaging
CA	Cruising Association
CAA	Civil Aviation Authority

CAB1	Cabling Policy
CAD	Computer Aided Design
CAP	Civil Aviation Publication
CAT	Commercial Air Transport
CBD	Convention on Biological Diversity
CBRA	Cable Burial Risk Assessment
CBRAM	Cable Burial Risk Assessment Methodology
CC	Central Complex
CCC	Committee on Climate Change
CCO	Channel Coastal Observatory
CCS	Carbon Capture and Storage
CCSL	Carbon Capture and Storage Policy
CCUS	Carbon Capture Utilisation and Storage
CD	Chart Datum
CDA	Common Data Access
CEA	Cumulative Effects Assessment
Cefas	Centre for Environment, Fisheries and Aquaculture Science
CEH	Centre for Ecology and Hydrology
CEMP	Construction Environmental Management Plan
CES	Crown Estate Scotland
CES	Coastal East Scotland
CFA	Continuous Flight Auger
CFA	Commercial Fisheries Advisor
CFAR	Constant False-Alarm Rate
CfD	Contracts for Difference
CFE	Controlled Flow Excavator
CFE	Control Flow Excavator
CFLO	Company Fisheries Liaison Officer
CI	Confidence Interval
CIA	Cumulative Impact Assessment
CIEEM	Chartered Institute of Ecology and Environmental Management
CIfA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CITiZAN	Coastal and Intertidal Zone Archaeological Network
CL	Critical Load
CLO	Community Liaison Officer
CLRTAP	Convention on Long-range Transboundary Air Pollution
CMS	Conservation of Migratory Species of Wild Animals
CNS	Communications, Navigation or Surveillance
CO <sub>2</sub>	Carbon Dioxide
CoCP	Construction Code of Practice
COLMREGS	The Convention on the International Regulations for Preventing Collisions at Sea
COLREGS	Convention for the Prevention of Collisions at Sea

COP	Conference of the Parties
COPFAS	Cottingham and Orchard Park Flood Alleviation Scheme
COS	Chamber of Shipping
COSHH	Control of Substances Hazardous to Health
COWRIE	Collaborative Offshore Wind Research into the Environment
CPA	Closest Point of Approach
CPEMMP	Construction Project Environmental Management and Mitigation Plan
CPT	Cone Penetration Test
CPUE	Catch Per Unit Effort
CREAM	Calculator for Road Emissions of Ammonia
CREEM	Centre for Research into Ecological and Environmental Modelling
CReSS	Complex Region Spatial Smoother
CRM	Collision Risk Model
CRoW	Countryside and Rights of Way Act
CRPMEM	Comité Régional des Pêches Maritimes et des Elevages Marins
CRTN	Calculation of Road Traffic Noise
cSAC	Candidate Special Area of Conservation
CSIP	Cetacean Standings Investigation Programme
CSM	Conceptual Site Model
CSS	Countryside Stewardship Scheme
CTMP	Construction Traffic Management Plan
CTV	Crew Transport Vessels
CV	Coefficient of Variation
D <sub>50</sub>	Sediment diameter representing 50% by mass larger and 50% smaller
D <sub>90</sub>	Sediment diameter where 90% of the sample by mass is smaller
DAA	Developable Area Approach
DAERA	Department of Agriculture, Environmental & Rural Affairs
DAS	Digital Aerial Survey
DBA	Desk-Based Assessment
DBCBC	Dogger Bank Creyke Beck
DBEIS	Department for Business, Energy and Industrial Strategy
DCO	Development Consent Order
DDV	Drop Down Video
DE&S	Defence Equipment and Support
DEB	Dynamic Energy Budget
DECC	Department of Energy and Climate Change
DEFRA	Department for Environment, Food and Rural Affairs
DEPONS	Distribution Effects on the Harbour Porpoise Population in the North Sea
DETR	Department of the Environment Food and Rural Affairs
DFPO	Danish Fishermen's Producer Organisation
DfT	Department for Transport
DIN	Dissolved Inorganic Nitrogen
DIO	Defence Infrastructure Organisation
DML / dML	Deemed Marine Licences

DMRB	Design Manual for Roads and Bridges
DNO	Distribution Network Operator
DO	Dissolved Oxygen
DOC	Department of Conservation
DP	Dynamically Positioned
DP2	Dynamic Position 2
DPD	Development Plan Documents
DPV	Dynamic Positioning Vessel
DRC	Dynamic Reactive Power Compensation Plant
DSC	Digital Selective Calling
DTAG	Digital Acoustic Recording Tag
DTI	Department of Trade and Industry
DVOF	Digital Vertical Obstruction File
DWR	Direction Wave Recorder
DWS	Drinking Water Standards
E	Eastern
EA	Environment Agency
EASA	European Aviation Safety Agency
EATL	East Anglia Three Limited
EBI	Energy Balancing Infrastructure
EC	European Community
EC	European Commission
ECC	Export Cable Corridor
EclA	Ecological Impact Assessment
ECJ	European Court of Justice
ECoW	Ecological Clerk of Works
ECR	Export Cable Route
eDNA	Environmental DNA
EDR	Effective Deterrence Range
EEA	European Economic Area
EEC	European Economic Community
EEEGR	East of England Energy Group
EEZ	European Economic Zone
EGA	Expert Geomorphological Assessment
EIA	Environmental Impact Assessment
EIEOMP	The East Inshore and East Offshore Marine Plans
EISA	Electrical Infrastructure Study Area
ELM	Environmental Land Management
ELS	Entry Level Stewardship
EMF	Electromagnetic Fields
EMODnet	European Marine Observation and Data Network
EMP	Ecological Management Plan
ENE	East North East
EOWDC	European Offshore Wind Development Centre

EP	Evidence Plan
EP1HS	Extended Phase 1 Habitat Survey
EPA	Environmental Protection Agency
EPEn	EPConsult Energies
EPP	Evidence Plan Process
EPS	European Protected Species
EPSRC	Engineering and Physical Sciences Research Council
EPUK	Environmental Protection United Kingdom
EQI	Environmental Quality Indicators
EQS	Environmental Quality Standard
EQT	Effective Quiet Threshold
ERCoP	Emergency Response Co-operation Plan
ERRV	Emergency Response and Rescue Vessels
ERUA	East Riding Unitary Authority
ERYBAP	East Riding Biodiversity Action Plan
ERYC	East Riding of Yorkshire Council
ES	Environmental Statement
ESAS	Environmentally Sensitive Areas Scheme
ESCA	European Subsea Cables Association
ESDAL	Electronic Service Delivery for Abnormal Loads
ETG	Expert Topic Group
EU	European Union
EU DCF	European Union Data Collection Framework
EUMOFA	European Market Observatory for Fisheries and Aquaculture Products
EUNIS	European Nature Information System
eVDV	Estimated Vibration Does Value
ExA	Examining Authority
FCS	Favourable Conservation Status
FDP	Field Development Plan
FFC	Flamborough and Filey Coast
FGAR	First Generation Anticoagulant Rodenticide
FHHC	Flamborough Headland Heritage Coast
FIM	Fishing Industry Mapping
FIM	Fisheries Information Mapping
FIR	Flight Information Region
FIR	Fishing Industry Representative
FL	Flight Level
FLO	Fisheries Liaison Officer(s)
FLOWW	Fisheries Liaison with Offshore Wind and Wet Renewables
FOCI	Feature of Conservation Importance
FRA	Flood Risk Assessment
FSA	Formal Safety Assessment
FTE	Full-Time Equivalent
FWMA	Flood and Water Management Act



GAEC	Good Agricultural and Environmental Condition
GAM	Generalised Additive Model
GB	Great Britain
GB NNSS	GB Non-Native Species Secretariat
GBS	Gravity Base Structure
GC	Gas Chromatography
GCN	Great Crested Newt
GCIMP	Gannet Compensation Implementation and Monitoring Plan
GEART	Guidelines for the Environmental Assessment of Road Traffic
GEE	Generalised Estimating Equation
GEP	Good Ecological Potential
GES	Good Environmental Status
GGOW	Greater Gabbard Offshore Wind Farm
GGRIMP	Gannet Guillemot and Razorbill Compensation Implementation and Monitoring Plan
GHG	Greenhouse Gas
GIS	Geographical Information System
GKIMP	Gannet and Kittiwake Compensation Implementation and Monitoring Pan
GLA	General Lighthouse Authority
GLM	Generalised Linear Model
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, 3 <sup>rd</sup> Edition (Landscape Institute and Institute of Environmental Management and Assessment, 2013)
GLVIA4	Guidelines for Landscape and Visual Impact Assessment 4 <sup>th</sup> Edition
GMDSS	Global Maritime Distress and Safety System
GMT	Greenwich Mean Time
GNS	Greater North Sea
GPR	Ground Penetrating Radar
GPS	Global Positioning System
GRCIMP	Guillemot and Razorbill Compensation Implementation and Monitoring Plan
GS	Grey seal
GSD	Ground Sample Distance
GVA	Gross Value Added
GVIFS	Generalised Variance Inflation Factors
HAP	Humber Archaeological Partnership
HCA	Helicopter Certification Agency
HCC	Hull City Council
HDD	Horizontal Directional Drilling
HE	Historic England
HE	High Explosive
HEY	Hull and East Yorkshire
HF	High frequency cetaceans
HFIG	Holderness Fishing Industry Group
HGV	Heavy Goods Vehicle

HHER	Humber Historic Environment Record
HIA	Health Impact Assessment
HLC	Historic Landscape Characterisation
HLS	Higher-Level Stewardship
HLV	Heavy Lift Vessel
HM	Her Majesty's
HMR	Helicopter Main Routes
HMRI	Helicopter Main Route Indicator
HMSO	Her Majesty's Stationary Office
HP	Harbour porpoise
HRA	Habitats Regulations Assessment
HRA	Helicopter Refuge Area
HRGS	High-Resolution Geophysical Surveys
HS	Harbour seal
H <sub>s</sub>	Significant wave height
HSC	Historic Seascape Characterisation
HSD	Hydro-Sound Damper
HSE	Health and Safety Executive
HSI	Habitat Suitability Index
HUM	Habitat Utilisation Model
HV	High Voltage
HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
HVV	Hull City Council
I&E ID	Impacts and Effects Register ID – Volume A4, Annex 5.1
IALA	International Association of Marine Aids to Lighthouse Authorities
IAMMWG	Inter-Agency Marine Mammal Working Group
IAQM	Institute of Air Quality Management
IAS	Indicated Airspeed
IBM	Individual Based Model
IBTS	International Bottom Trawl Surveys
ICES	International Council for the Exploration of the Sea
IDB	Internal Drainage Boards
IECS	Institute of Estuarine and Coastal Studies, University of Hull
IEMA	Institute of Environmental Management and Assessment
IFCA	Inshore Fisheries and Conservation Authority
IFR	Instrument Flight Rules
IHLS	International Herring Larvae Survey(s)
IHO	International Hydrographic Organisation
ILA	Important Landscape Area
IMC	Instrument Meteorological Conditions
IMO	International Maritime Organisation
Indra	Indian Doppler Radar
INLA	Integrated Nested Laplace Approximations

INNS	Invasive Non-Native Species
INSPIRE	Impulse Noise Sound Propagation and Impact Range Estimator
IPC	Infrastructure Planning Commission
IPCC	Intergovernmental Panel on Climate Change
IR	Island Restoration
IROPI	Imperative reasons of over-riding public interest
IRZ	Impact Risk Zones
ISAR	Integrated Search and Rescue
ISQG	Interim Sediment Quality Guideline(s)
IUCN	International Union for Conservation of Nature
JB	Join Bays
JCP	Join Cetacean Protocol
JFE	Johnston Field Extension
JNCC	Joint Nature Conservation Committee
JNCC SMP	Joint Nature Conservation Council Seabird Monitoring Programme
JUV	Jack up vessel
KCIMP	Kittiwake Compensation Implementation and Monitoring Plan
KDE	Kernal Density Estimation
KIS-OCRA	Kingfisher Information Service – Offshore Renewable & Cable Awareness
LAQM	Local Air Quality Management
LAT	Lowest Astronomical Tide
LB	Link Box
LCT	Landscape Character Assessment
LDF	Local Development Frameworks
LDS	Local Development Scheme
LDV	Light Duty Vehicle
LDWR	Long-Distance Walking Route
LEB	Looming Eye Buoy
LEC	Low Level Energy Cost
LEP	Local Enterprise Partnership
LF	Low frequency cetaceans
LFRMS	Local Flood Risk Management Strategy
LI	Landscape Institute
LID	Lynn and Inner Dowsing
LLFA	Lead Local Flood Authority
LNR	Local Nature Reserve
LOA	Length Overall
LOAEL	Lowest Observed Adverse Effect Level
LoC	Letter of Comfort
LOD	Limit of Detection
LoS	Line of Sight
LPA	Local Planning Authority
LQ	Location Quotient
LSE	Likely Significant Effect

LSO	Long Sea Outfall
LTP	Local Transport Projects Ltd
LUC	Land Use Consultants
LVIA	Landscape and Visual Impact Assessment
LVNL	Luchtverkeersleiding Nederland
LWS	Local Wildlife Site
MAFF	Ministry of Agriculture, Fisheries and Food
MAG	Magnetometer
MAIB	Marine Accident Investigation Branch
MAP	Missed Approach Point
MarESA	Marine Evidence based Sensitivity Assessment
MarLIN	Marine Life Information Network
MARPOL	International Convention for the Prevention of Pollution from Ships
MAT	Migration Assessment Tool
MBES	Multi-beam echo sounders
MCA	Maritime and Coastguard Agency
MCAA	Marine and Coastal Access Act 2009
MCCIP	Marine Climate Change Impacts Partnership
MCZ	Marine Conservation Zone
MDS	Maximum Design Scenario
MDH	Minimum Descent Height
MEHRA	Marine Environmental High-Risk Area
MERP	Marine Ecosystem Research Programme
Metocean	Meteorological Ocean
MFE	Mass Flow Excavator
MFP	Minimum Facilities Platform
MGN	Marine Guidance Note
MHCC	Marine Helicopter Coordination Centre
MHW	Mean High Water
MHWS	Mean High Water Springs
MIL AIP	Military Aeronautical Information Publication
MINNS	Marine Invasive Non-Native Species
ML	Marine Licence
MLW	Mean Low Water
MLWS	Mean Low Water Springs
MMES	Marine Mammal Environmental Statement
MMMP	Marine Mammal Mitigation Protocol
MMO	Marine Management Organisation
MMSI	Maritime Mobile Service Identify
MNCR	Marine Nature Conservation Review
MNR	Mean Neap Range
MNR	Marine Noise Registry
MOD / MoD	Ministry of Defence
MoU	Memorandum of Understanding

MPA	Marine Protected Area
MPCP	Marine Pollution Contingency Plan
MPI	Multi-Purpose Interconnector
MPS	Marine Policy Statement
MRSea	Marine Renewables Strategic Environmental Assessment
MSA	Minimum Safe Altitude
MSDS	Material Safety Data Sheet
MSFD	Marine Strategy Framework Directive
MSFD	Marine Strategy Framework Directive
MSL	Mean Sea Level
MSR	Mean Spring Range
MSS	Marine Scotland Science
MTI	Moving Target Indicator
MU	Management Unit
MV/LV	Medium Voltage / Low Voltage
MW	Minke whale
N/A	Not Applicable
N2k	Natura 2000
NAI	No Active Intervention
NAS	Noise Abatement System
NATS	National Air Traffic Service
NAVTEX	Navigational Telex
NCA	National Character Area
NCERM	National Coastal Erosion Risk Mapping
NCN	National Cycle Network
NCR	National Cycle Route
NDC	Nationally Determined Contribution
NE	Natural England
NEIFCA	North Eastern Inshore Fisheries and Conservation Authority
NEP	Northern Endurance Partnership
NEQ	Net Explosive Quantities
NERC	Natural Environmental and Rural Communities
NERL	NATS En Route Limited
NEWS	Non-Estuarine Waterbird Survey
NEYEDC	North and East Yorkshire Ecological Data Centre
NFFO	National Federation of Fishermen's Organisations
NGET	National Grid Electricity Transmission
NGO	Non-governmental organisation
NH	National Highways
NHLE	National Heritage List for England
NI	Northern Ireland
NIC	National Infrastructure Commission
NIS	Non-Native Invasive Species

NM	Nautical Miles
NMC	Non-Material Change
NMP	National Mapping Programme
NMU	Non-Mortised User
NN	Nutrient Nitrogen
NNR	National Nature Reserves
NO <sub>2</sub>	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NOGEPa	Nederlands Olie en Gas Exploratie en Productie Associatie
NORL	No Observed Effect Level
NOTAM	Notice to Airmen
NO <sub>x</sub>	Nitrogen Oxides
NPPF	National Planning Policy Framework
NPPG	National Planning Policy Guidance
NPS	National Policy Statement
NPSE	Noise Policy Statement for England
NRA	Navigational Risk Assessment
NRHE	National Record of the Historic Environment
NRW	Natural Resources Wales
NSA	Norwegian Shipowners' Association
NSE	No Significant Effect
NSIP	Nationally Significant Infrastructure Project
NSPP	North Sea Palaeolandscapes Project
NSR	Noise Sensitive Receptors
NSRI	National Soil Resources Institute
NtM	Notice to Mariners
NTS	Non-Technical Summary
NUC	Not Under Command
NUI	Normally Unmanned Installations
NVG	Night Vision Goggles
NVZ	Nitrate Vulnerable Zones
NW	North West
NZ DCO	New Zealand Department of Conservation
NZT	Net Zero Teeside
O&M	Operation and Maintenance
OAS	Organic Aid Scheme
oCTMP	Outline Construction Traffic Management Plan
OEI	One Engine Inoperative
OEL	Ocean Ecology Ltd.
OELS	Organic Entry Level Stewardship
OEMP	Outline Ecological Management Plan
OFTO	Offshore Transmission Owner
OG1	Oil and Gas Policy
OGA	Oil and Gas Authority

OGCI	Oil & Gas Climate Initiative
oLMP	Outline Landscape Management Plan
OMMMP	Outline Marine Mammal Mitigation Protocol
OMMP	Outline Marine Monitoring Plan
ONS	Office for National Statistics
OnSS	Onshore Substation
OOEG	Hornsea Four Offshore Ornithology Engagement Group
OOMP	Outline Ornithological Monitoring Plan
OOOMP	Outline Offshore Operation and Maintenance Plan
OPEN	Optimised Environments Limited
OPRED	Offshore Petroleum Regulator for Environment and Decommissioning
OREI	Offshore Renewable Energy Installation
ORJIP	Offshore Renewable Joint Industry Project
OS	Ordnance Survey
OSCG	Onshore Substation Consultation Group
OSPAR	Oslo/Paris Convention (for the Protection of the Marine Environment of the North-East Atlantic)
OSS	Offshore Substation
OWEZ	Egmond aan Zee Offshore Wind Farm
OWF	Offshore Wind Farm
OWIC	Offshore Wind Industry Council
PAD	Preliminary Environmental Information Report
PAH	Polycyclic Aromatic Hydrocarbons
PAH	Polyaromatic Hydrocarbons
PAM	Passive Acoustic Monitoring
PBDE	Polybrominated diphenyl ethers
PBN	Performance Based Navigation
PBR	Potential Biological Removal
PCB	Polychlorinated biphenyls
PCH	Proportion of Birds at Potential Collision Risk Height
PCoC	Potential Contaminants of Concern
PCW	Phocid carnivores in water
PDV	Phocine Distemper Virus
PEI	Preliminary Environmental Information
PEIR	Preliminary Environmental Information Report
PEL	Probable Effect Levels
PEMMP	Project Environmental Management and Monitoring Plan
PEXA	Practise and Exercise Area
PF	Pilot Flying
PFRA	Preliminary Flood Risk Assessment
PIC	Personal Injury Collision
PII	Pacific Invasive Initiatives
PINS	The Planning Inspectorate

PLGR	Pre-lay Grapnel Run
PLONOR	Pose Little or No Risk to the Environment
PM <sub>10</sub>	Particulate Matter with a mean aerodynamic diameter of less than 10 µm
PM <sub>2.5</sub>	Particulate Matter with a mean aerodynamic diameter of less than 2.5 µm
PPE	Personal Protective Equipment
PPG	Pollution Prevention Guidance
PPGN	Planning Policy Guidance Notes
PPP	Pollution Prevention Plan
PPS	Policy Planning Statements
PPV	Peak Particle Velocity
PRA	Preliminary Risk Assessment
PRoW	Public Rights of Way
PSA	Particle Size Analysis
pSPA	Possible Special Protection Area
PSD	Particle Size Distribution
PSR	Primary Surveillance Radar
PTTs	Platform Transmitter Terminals
PTS	Permanent Threshold Shift
PVA	Population Viability Analysis
QNH	Ambient Air Pressure at Mean Sea Level
Radar	Radio Detection and Ranging
RAF	Royal Air Force
RAG	Red, Amber, Green
RAP	Recognised Air Picture
RBD	River Basin District
RBMP	River Basin Management Plan
RCP	Representative Concentration Pathways
RCS	Radar Cross Section
RCZA	Rapid Coastal Zone Assessment
RDDS	Radar Data Display Screen
REC	Regional Environmental Characterisation
REWS	Radar Early Warning Systems
REZ	Renewable Energy Zone
RFM	Rotorcraft Flight Manual
RIAA	Report to Inform Appropriate Assessment
rMCZ	Recommended Marine Conservation Zone
RMS	Root Mean Square
RMSE	Root Mean Square Error
RNLI	Royal National Lifeboat Institute
ROV	Remotely Operated Vehicles
RPSS	Route Planning and Site Selection
RR	Relevant Representation
RRH	Remote Radar Head
RSPB	Royal Society for the Protection of Birds



RSS	Regional Spatial Strategy
RWS	Rijkswaterstaat
RYA	Royal Yachting Association
S	South
S.I	Statutory Instrument
SAC	Special Area of Conservation
SAC	Special Area of Conservation
SACFOR	Super-abundant, abundant, common, frequent, occasional, rare, present
SAFESIMM	Statistical Algorithms For Estimating the Sonar Influence on Marine Megafauna
SALSA	Spatially Adaptive Local Smoothing Algorithm
SAR	Search and Rescue
SAT	Site Acceptance Test
SBAS	Satellite Based Augmentation System
SBES	Single-beam Echo Sounders
SBP	Sub-Bottom Profile
SBP	Sub-Bottom Profiler
SCA	Seascape Character Area
SCANS	Small Cetaceans in European Atlantic waters and the North Sea
SCAR RCS	SCAR Route Clearance System
SCI	Site of Community Importance
sCRM	Stochastic Collision Risk Modelling
SD	Standard Deviation
SEA	Strategic Environmental Assessment
SEA	Strategic Environmental Assessment
SEAL	Shearwater Elgin Area Line
SeaMaST	Seabird Mapping and Sensitivity Tool
SECE	Safety and Environmental Critical Elements
SEGL2	Scotland England Green Link 2
SEL	Sound Exposure Level
SEP	Strategic Economic Plan
SEZ	Structures Exclusion Zone
SGAR	Second Generation Anticoagulant Rodenticide
SICG	Scallop Industry Consultation Group
SIMOPS	Simultaneous Operations
SIP	Site Integrity Plan
SLVIA	Seascape, Landscape and Visual Impact Assessment
SLVR	Seascape, Landscape and Visual Resources
SMA	Seal Management Area
SMP	Shoreline Management Plan
SMP	Seabird Monitoring Programme
SNCB	Statutory Nature Conservation Bodies
SNCB	Statutory Nature Conservation Body
SNH	Scottish Natural Heritage

SNS	Southern North Sea
SNSOWF	Southern North Sea Offshore Wind Forum
SOAEL	Significant Observed Adverse Effect Level
SOAP	SBAS Offshore Approach Procedure
SoCC	Statement of Community Consultation
SoCG	Statement of Common Ground
SOLAS	Safety of Life at Sea Convention
SONAR	Sound Navigation Ranging
SoS	Secretary of State
SOSS	Strategic Ornithological Support Services
SOV	Special Operational Vessels
SPA	Special Protection Area
SPA HOFO	Specific Approval for Helicopter Offshore Operations
SPD	Supplementary Planning Documents
SPL	Sound Pressure Levels
SPM	Suspended Particulate Matter
Spp.	Species
SPR	Source-Pathway-Receptor
SPZ	Source Protection Zone
SSC	Suspended Sediment Concentration
SSR	Secondary Surveillance Radar
SSS	Side Scan Sonar
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage Systemsll
SVIA	Seascope and Visual Impact Assessment
SVOC	Semi-Volatile Organic Compounds
SWMP	Site Waste Management Plan
SWT	Scottish Wildlife Trust
TA	Transport Assessment
TAC	Total Allowable Catches
TAS	True Airspeed
TBC	To Be Confirmed
TCA	Trade and Cooperation Agreement
TCE	The Crown Estate
TCPA	Time to Closest Point to Approach
TDP	Take-off Decision Point
TEL	Threshold Effect Levels
TEMPro	Trip End Model Presentation Model
TEMPSC	Totally Enclosed Motor Propelled Survival Craft
TEU	Treaty of European Union
TEZ	Temporary Exclusion Zone
TFL	Transport Research Laboratory
THC	Total Hydrocarbon
THLS	Trinity House Lighthouse Service

TJB	Transition Joint Bay
TN	Target Notes
TOC	Total Organic Carbon
TOPA	Technical and Operational Assessment
TP	Technical Panel
TPO	Tree Preservation Order
TSHD	Trailer Suction Hopper Dredger
TSS	Traffic Separation Scheme
TTS	Temporary Threshold Shift
TWT	The Wildlife Trusts
UCM	Unresolved Complex Mixture
UD	Utilisation Distribution
UHF	Ultra-High Frequency
UHRS	Ultra-High Resolution Seismic
UK	United Kingdom
UKCP18	2018 UK Climate Projections
UKCS	United Kingdom Continental Shelf
UKHO	UK Hydrographic Office
UKHPI	UK Habitats of Principal Importance
UKIAP	United Kingdom Integrated Aeronautical Information Publication
UKLFS	United Kingdom Low Flying System
UKMPG	UK Major Ports Group
UKOOA	United Kingdom Offshore Operators Association
UN	United Nations
UNECE	United Nations Economic Commission for Europe
UNFCCC	United Nations Framework Convention on Climate Change
UTM	Universal Transverse Mercator
UXO	Unexploded Ordnance
VDV	Vibration Dose Value
VER	Valued Ecological Receptor(s)
VFR	Visual Flight Rules
VHF	Very High Frequency
VHF	Very High Frequency Cetaceans
VMC	Visual Meteorological Conditions
VMP	Vessel Management Plan
VMS	Vessel Monitoring System
VOC	Volatile Organic Compounds
VP	Vantage Point
VTS	Vessel Traffic Services
WBD	White-beaked dolphin
WCS	Worst-case scenario
WDC	Whale and Dolphin Conservation
WeBS	Wetland Bird Survey
WFD	Water Framework Directive

WHPS	Wellhead Protection Structure
WMIL	Wildlife Management International Ltd
WSI	Written Scheme of Investigation
WTG	Wind turbine generator
WTG	Wind Turbine Generator
WWT	Wildfowl & Wetlands Trust
YNU	The Yorkshire Naturalist Union
YWT	Yorkshire Wildlife Trust
ZAP	Zone Appraisal and Planning
ZCH	Zero Carbon Humber
ZDA	Zone Development Agreement
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility

## Units

Unit	Definition
%	Percentage (proportion)
°	Degrees (angle)
°	Degrees Magnetic
ha	Hectare
°C	Degrees celsius
µm	Micrometre
µPa	Micropascal (pressure). A decimal fraction of the pascal, which is the SI derived unit of pressure, stress, Young's modulus and ultimate tensile strength.
cm	Centimetre (distance)
bcm	Billion cubic metres
ft	Feet
dB(A)	A representation of noise level derived from the logarithm of the ratio between the value of a quantity and a reference value. For sound pressure level the reference quantity is 20 µpa. Decibels measured on a sound level meter incorporating a frequency weighting (A weighting) which differentiates between sounds of different frequency (pitch) in a similar way to the human ear. Measurements in db(A) broadly agree with people's assessment of loudness.
dB	Decibel (sound pressure / intensity of sound)
dB SEL <sub>cum</sub>	Cumulative sound exposure level
dB SEL <sub>ss</sub>	Single strike sound exposure level
Hz	Hertz (frequency)
kHz	Kilohertz (frequency)
SEL <sub>cum</sub>	Cumulative sound exposure level
SEL <sub>cum</sub> <sup>(static)</sup>	Cumulative Sound Exposure Level (static)
SEL <sub>peak</sub>	Peak sound exposure level
g	Gram

dB SPL <sub>peak</sub>	Peak sound pressure level
GW	Gigawatt (power)
kg	Kilogram
kg/m <sup>3</sup>	Kilogram/ cubic metres
kJ	Kilojoules (energy)
km	Kilometre (distance)
km <sup>2</sup>	Square kilometre (area)
kt	Knot (speed, at sea)
kV	Kilovolt (electrical potential)
kW	Kilowatt (power)
l	Litre
lb	Pound
LAeq	A-weighted equivalent continuous sound level in decibels measured over a stated period of time
LAm <sub>ax</sub>	Maximum A - weighted sound pressure level recorded over the period stated
LA10	The noise level just exceeded for 10% of the measurement period, A-weighted and calculated by statistical analysis
LA90	The noise level just exceeded for 90% of the measurement period, A-weighted and calculated by statistical analysis
m	Metre (distance)
Mtpa	Million tons per annum
m/hr	Metres/hours (speed)
m/s	Metres/second (speed)
m <sup>2</sup>	Square metre
m <sup>3</sup>	Cubic metre
m <sup>3</sup> /hr	Cubic metres/ hour
mg	Milligram
mg/l	Milligrams/litre
mm	Millimetres
mph	Miles per hour
MtCO <sub>2e</sub>	Metric tonnes of CO2 equivalent
MW	Megawatt (power)
nT	Nanotesla (magnetic induction)
nm	Nautical miles
ppm	Parts per million
s	Second
SPL <sub>peak</sub>	Peak sound pressure level
£	Great British pounds
£/kg	Great British pounds per kilogram
€	Euro
NM	Nautical mile
mg.m <sup>-3</sup>	Milligrams per cubic metre
µg.m <sup>-3</sup>	Micrograms per cubic metre
keq.ha.y <sup>-1</sup>	Kilo equivalents per hectare per year
dB re 1 µPa	Sound pressure level (decibel referenced to a pressure of 1 microPascal)

dB re 1 $\mu\text{Pa}^2\text{s}$	Sound exposure level (decibel referenced to a pressure of 1 microPascal squared sounds)
SPL <sub>peak</sub> dB re 1 $\mu\text{Pa}$ @ 1 m	Peak sound pressure level (decibel referenced to a pressure of 1 microPascal referred to 1 metre)
SEL <sub>ss</sub> dB re 1 $\mu\text{Pa}^2 \text{ s}$ @ 1 m	Single strike sound exposure level (decibel referenced to a pressure of 1 microPascal squared sounds referred to 1 metre)