



NORTHCONNECT
CONNECTING RENEWABLES

Glossary



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Connecting Europe Facility

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Term / Abbreviation	Definition / Expansion
AA	Appropriate Assessment
AbC	Aberdeen Council
AC	Alternating Current
AIS	Automatic Identification System
ALARP	As Low as Reasonably Practicable
ALDP	Aberdeenshire Local Development Plan
AOS	Apparently Occupied Breeding Sites
AQMA	Air Quality Management Areas
As	Arsenic
B	Magnetic Flux Density
BAP	Biodiversity Action Plans
BCC	Buchan Community Council
BEIS	Department for Business, Energy and Industrial Strategy
BGS	British Geological Survey
BH	Borehole
BoCC	Birds of Conservation Concern
BS	British Standard
BSI	British Standards Institute
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
BTO	British Trust of Ornithology
BWM	Ballast Water Management
CAT	Cable Avoidance Tool
CBRA	Cable Burial Risk Assessment
CCME	Canadian Council of Ministers of the Environment
CES	Crown Estate Scotland
CEMD	Construction Environmental Management Document
CEMP	Construction Environmental Management Plan
CfD	Contract for Difference
CIRIA	Construction Industry Research and Information Association
CIEEM	Chartered Institute of Ecology and Environmental Management
CLEA	Contaminated Land Exposure Assessment
CoS	Chamber of Shipping
CO ₂	Carbon Dioxide
CO ₂ e	CO ₂ Equivalent
Converter Station	Shorthand for - Interconnector Converter Station
COSHH	The Control of Substances Hazardous to Health
CPAR	Cable Protection Analysis Report
CPT	Cone Penetration Tests
Cu	Copper
dB	Decibels
DC	Direct Current
DDV	Drop Down Video
DECC	The Department of Energy and Climate Change
DEFRA	Department for Environment, Food and Rural Affairs
DGPS	Differential GPS system
DHM	Downhole Motor
DMP	Dust Management Plan

DOB	Depth of Burial
DOL	Depth of Lowering
DP	Dynamic Positioning
DSFB	Associated of District Salmon Fisheries Boards
DWT	Deadweight Tonnage
EAC	Environmental Assessment Criteria
EclA	Ecological Impact Assessment
ECoW	Environmental Clerk of Works
EEZ	Exclusive Economic Zone
EGPS	Electricity Generation Policy Statement
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EMF	Electric and Magnetic Fields
EMS	Environmental Management System
ENSG	Electricity Networks Strategy Group
ENTSO-E	European Network of Transmission System Operators for Electricity
EO	Explosive Ordnance
EOWDC	European Offshore Wind Development Centre
EPS	European Protected Species
ERL	Effect Range Low
ES	Environmental Statement
EU	European Union
Fourfields	Converter StationSite name
FLO	Fisheries Liaison Officer
FSA	Formal Safety Assessment
FTE	Full-time Equivalent
GAC	Generic assesment criteria
GB	Great Britain
GBR	General Binding Rules
GC-FID	Gas Chromatography-Flame Ionisation Detector
GEN	General Planning Principles
GI	Ground Investigation
GIS	Geographic Information System
GPP	Guidance for Pollution Prevention
GPS	Global Positioning System
GT	Gross Tonnage
GW	Gigawatt
Ha	hectares
HDD	Horizontal Directional Drilling
HDPE	High-density polyethylene
HE	High Explosive
HES	Historic Environment Scotland
HF	High Frequency
HGV	Heavy Goods Vehicle
HPDE	High-density polyethylene
HRA	Habitats Regulations Appraisal
HSE	Health and Safety Executive
HVAC	High Voltage Alternating Current

HVAC cables	HVAC connection between the converter station and the substation
HVDC	High Voltage Direct Current
Hz	Hertz
IALA	International Association of Marine Aids to Navigation and Lighthouse Authorities
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ICPC	International Cable Protection Committee
ICP-MS	Inductively Coupled Plasma-mass Spectrometry
IUCN	International Union for Conservation of Nature
IEEE	Institute of Electrical and Electronics Engineers
IEEM	Institute of Ecology and Environmental Management
IEMA	The Institute of Environmental Management and Assessment
IFG	Inshore Fisheries Group
IMO	International Maritime Organisation
Interconnector converter station	The station converting the HVDC electricity to HVAC on import from the interconnector and HVAC to HVDC on export to the interconnector.
IMO	International Association of Marine Aids to Navigation and Lighthouse
IMR	Inspection, Maintenance and Repair
INNS	Invasive non-native species
IOA	Institute of Acoustics
IPA	Initial Project Assessment
ISO	International Standards Organisation
JNCC	Joint Nature Conservation Committee
JV	Joint Venture
km	Kilometre
KP	Kilometre Point
kT	Kilo tonnes – 1000 tonnes
kW	Kilowatts – 1000 watts
LA ₁₀	The A weighted sound level which is exceeded for 10% of a given monitoring period. A weighting takes account of perceived loudness to different frequencies of the human ear.
LA ₉₀	The A weighted sound level which is exceeded for 90% of a given monitoring period
LA _{eq}	The A weighted equivalent continuous sound level which contains the same sound energy as a varying sound level over a given monitoring period.
LA _{max}	The maximum sound level arising during a given monitoring period
LAQM	Local Air Quality Management
LBAP	Local Biodiversity Action Plans
LCA	Land Capability for Agriculture
LDP	Local Development Plan
LF	Low Frequency
LGS	Local Geodiversity Sites
LNCS	Local Nature Conservation Site
LOI	Loss on Ignition
LTS	Local Transport Strategy
LUPS	Land Planning System
LwA	The A weighted sound power level, or the total sound energy radiated from a given source per second.

m	Metre
MAIB	Marine Accident Investigation Branch
MAG	Magnetometer
MARPOL	International Convention for the Prevention of Pollution from Ships
MBES	Multi Beam Echosounder
mbgl	Meters below ground level
MCA	Maritime and Coastguard Agency
MCZ	Marine Conservation Zone
MDS	Multi-dimensional Scaling
MGN	Marine Guidance Note
MGS	Magnetic Guidance System
MHWM	Mean High Water Mark
MHWN	Mean High Water Neaps
MHWS	Mean High Water Springs
MI	Mass Impregnated
MLWS	Mean Low Water Springs
MMT	Manufacture Modules Technologies (Company)
MMO	Marine Mammal Observer
mms ⁻¹	Millimetres per second
MNNS	Marine Non-Native Species
MOD	Ministry of Defence
MPA	Marine Protected Area
MPS	Marine Policy Statement
MS-LOT	Marine Scotland Licensing Operations Team
MSF	Marine Safety Forum
MSFD	Marine Strategy Framework Directive
MSPP	Marine Scotland Planning and Policy
MSS	Marine Scotland Science
MT	Millions of Tonnes
MTBE	Methyl tert-butyl ether
MW	Megawatts
NAQ	National Air Quality Objectives
NBN	National Biodiversity Network
NCAP	National Collection of Aerial Photography
NCHE	National Collection of the Historic Environment
NESBReC	North East Scotland Biological Records Centre
NETS	National Electricity Transmission System
NGET	National Grid Electricity Transmission
NGTS	National Grid Technical Specification
NLB	Northern Lighthouse Board
NM	Nautical Mile
NMLs	Noise Monitoring Locations
NAQs	National Air Quality Objectives
HDD	Noise Monitoring Point
NMP	National Marine Plan
NMPi	National Marine Plan Interactive

NnG	Neart na Gaoithe
NNR	National Nature Reserves
NO ₂	Nitrogen Dioxide
NPF	National Planning Framework
NPF3	The third NPF
NRA	Navigational Risk Assessment
NSL	North Sea Link
NSR	Noise Sensitive Receptors
NVC	National Vegetation Classification
OREIs	Offshore Renewable Energy Installations (OREIs)
OOS	Out of Service
OOW	Officer of the Watch
OREIs	Offshore Renewable Energy Installations
OS	Ordnance Survey
OWF	Offshore Wind Farm
PAC	Pre-Application Consultation
PACC	Pre-Application Communities Consultation
PAH	Polycyclic Aromatic Hydrocarbons
PAM	Passive Acoustic Monitoring
PAN	Planning Advice Notes
Pb	Lead
PEL	Probable Effect Level
PEXA	Practice and Exercise Area
PM _{2,5}	Particle matter of particles with a diameter of 2,5 micrometer or less
PM ₁₀	Particle matter of particles with a diameter of 10 micrometers or less
PMF	Priority Marine Feature
pMPA	Proposed Marine Protected Area
PPC	Pollution Prevention Control
PPG	Pollution Prevention Guidance
PRIMER	Plymouth Routines in Multivariate Ecological Research
PSD	Particle Size Distribution
PTFE	Polytetrafluorethylene
PTS	Permanent Threshold Shift
QGIS	Geographic Information System software package
OWF	Offshore Wind Farm
RAMS	Risk Assessed Method Statement
RBMP	River Basin Management Site
RCAHMS	Royal Commission on the Ancient and Historical Monuments of Scotland
RES	Renewable Energy Systems
RIGS	Regionally Important Geological and Geomorphological Sites
RIVM	Dutch National Institute for Public Health and the Environment
RNLI	Royal National Lifeboat Institution
ROTV	Remotely Operated Towed Vehicle
ROV	Remotely Operated Vehicle
RSPB	Royal Society for the Protection of Birds (RSPB)
RYA	Royal Yachting Association
SAC	Special Areas of Conservation
SBL	Scottish Biodiversity List

SBP	Sub Bottom Profiler
SCDA	Scottish Creelers and Divers Association
SCL	Survey Centreline
SDP	Strategic Development Plan
SEPA	Scottish Environmental Protection Agency
SESA	Study of Environmentally Sensitive Areas
SFF	Scottish Fishermen’s Federation
SFO	Scottish Fishermen’s Organisation
SG	Supplementary Guidance
SGT	Super Grid Transformers
SHETL	Scottish Hydro Electric Transmission Limited
SINC	Sites of Important Nature Conservation
SINS	Sites of Interest to Natural Science
SLM	Sound Level Meters
Sn	Tin
SNCB	Statutory Nature Conservation Body
SNH	Scottish Natural Heritage
SO	System Operator
SOLAS	Safety of Life at Sea
SPA	Special Protection Area
SPEN	Scottish Power Energy Networks
SPG	Supplementary Planning Guidance
SPL	Sound Pressure Level
SPM	Suspended Particular Matter
SPP	Scottish Planning Policy
SSE	Scottish and Southern Energy
SSEN	Scottish and Southern Energy Networks
SSS	Side Sonar Scan
SSSI	Sites of Special Scientific Interest
STW	Scottish Territorial Waters
SVOC	Semi-Volatile Organic Compounds
SW	Scottish Water
SWMP	Site Waste Management Plan
SWT	The Scottish Wildlife Trust
T	Telsa
t	Time
TBM	Time Based Maintenance
TCE	The Crown Estate
TEL	Threshold Effect Level
TO’s	Transmission Owners
TOC	Total Organic Carbon
TP	Trial Pit
TPH	Total Petroleum Hydrocarbons
TS	Transport Scotland
TTS	Temporay Threshold Shift
TWH	Tera Watt Hours, a million, million watt hours
UDSFB	Ugie District Salmon Fishery Board
(μ T)	Micro Tesla

Glossary

UK	United Kingdom
UKAS	United Kingdom Accreditation Service
UK EEZ	United Kingdom Exclusive Economic Zone
UKHO	United Kingdom Hydrographic Office
UNCLOS	United Nations Convention on the Law of the Sea
UNESCO	United Nations Educational, Scientific, and Cultural Organisation
USEPA	United States Environmental Protection Agency
UXB	Unexploded bombs
UXO	Unexplored Ordinance
VC	Vibro-coring
VMS	Vessel Monitoring System
VOC	Volatile Organic Compounds
V/m	Volts per metre
VP	Vantage Point
VS	Visit Scotland
WCA	Wildlife and Country Act 1981
WDC	Whale and Dolphin Conservation
WFD	Water Framework Directive
WL	Wing Lines
WROV	Work Class Remotely Operated Vehicle
YDSFB	Ythan District Salmon Fishery Board
ZTV	Zone of Theoretical Visibility
μT	Microtesla

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