Glossary of Terms and Abbreviations

Glossary of Terms

Term	Definition
Abnormal Indivisible Load	A load that cannot be divided into smaller, more manageable parts.
Acrotelm	Surface, living layer of a peatland.
Aeronautical radio navigation aids	Ground-based radio beacons that are used to assist aircraft to navigate.
Analysis (landscape)	The process of breaking the landscape down into its component parts to understand how it is made up.
Analysis (Visual)	The process of identifying the nature of visibility in an area, which is determined through topographic analysis.
Annual Average Daily Traffic	The average over a full year of the number of vehicles passing a point in the road network each day.
Assessment (Landscape or visual)	An umbrella term for description, classification and analysis of landscape or nature of views.
Automatic Traffic Count	Data used to support transport planning and design.
Balance of Plant Contractor	Contractor responsible for all infrastructure and facilities of a project, excluding the main generating equipment itself.
Barotrauma	Damage to internal organs due to change in air pressure.
Baseline Conditions	Current conditions within the Site and the surrounding area, at the time of assessment (i.e., in the assessment year of 2026), although in defining the baseline conditions, data from preceding years may have been used where the data remains relevant.
Bat pass	A single recorded registration of a bat call by a detector.
Biodiversity Enhancement and Management Plan (BEMP)	Plan which sets out proposed measures for habitat restoration and enhancement as a part of the Proposed Development.
Bird Species Protection Plan	Plan which outlines the procedures that must be followed where there is potential for breeding birds to be affected.
Calculation of Road Traffic Noise	Reference UK guidance for the calculation of noise from road traffic.
Catotelm	Subsurface, dead layer of a peatland.
Construction Traffic Management Plan	Document which outlines traffic management measures to mitigate adverse impacts associated with construction related traffic.
Controlled airspace	A category of airspace in which aircraft must have a clearance from the controlling agency and must obey air traffic control instructions when flying within the airspace.
Couch	Above ground otter resting place.
Crepuscular	Active at dusk and dawn.
Decibel	The unit normally employed to measure the magnitude of sound.

Term	Definition
Decommissioning and Construction Environmental Management Plan	Document setting out the measures to control potential adverse environmental impacts during decommissioning and construction works.
Decommissioning of Novar 1 Wind Farm	Period during which existing Novar 1 Wind Farm and some of the supporting infrastructure such as crane pads and Internal Tracks that are no longer required, would be removed.
Decommissioning of repowered wind farm	Period during which repowered wind farm would be decommissioned, which would involve above ground equipment being removed and the land restored using a similar method to what it proposed for the existing Novar 1 Wind Farm.
Design Manual for Roads and Bridges	Reference UK guidance for the assessment of traffic noise and vibration impacts.
Drey	Squirrel resting place
Effect	The result of an impact (change) on a receptor.
Energy Consents Unit	Scottish Government agency that deals with certain energy related planning applications.
Environmental Impact Assessment	Environmental Impact Assessment (EIA) is a means of carrying out, in a systematic way, an assessment of the likely significant environmental effects from the Proposed Development.
Environmental Impact Assessment Regulations	The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
Environmental Impact Assessment Report	Document reporting the findings of an Environmental Impact Assessment.
Form	Hare resting place (usually within vegetation).
Granny pine	Scots pine more than 300 years old.
Heavy Goods Vehicles	All goods vehicles > 3.5 tonnes gross maximum weight.
Holt	Below ground otter resting place.
Impact	A physical or measurable change to the environment attributable to the Proposed Development.
Indirect Impacts	Impacts on the environment, which are not a direct result of the development but are often produced away from it or as a result of a complex pathway. Sometimes referred to as secondary impacts.
Instrument Flight Procedures	A series of written and graphical instructions to pilots to enable them to depart from and arrive at airports safely when flying in cloud or poor visibility.
Integrity of Setting	NPF4 indicates that development proposals affecting Scheduled Monuments will only be supported where "*significant adverse impacts on the integrity of setting of a scheduled monument are avoided*" (NPF4 2023, 46). For this EIA, significant adverse impacts on integrity of setting are judged to relate to whether a

Term	Definition
	change would adversely affect the asset's key attributes or elements of setting which contribute to an asset's significance. It is considered that a significant adverse impact upon the integrity of the setting of an asset will only occur where the degree of change that will be represented by the Proposed Development would adversely alter those factors of the monument's setting that contribute to cultural significance such that the understanding, appreciation and experience of an asset are not adequately retained.
Inter-project cumulative effects	Combined or additive effects generated from the Proposed Development, together with other planned or likely foreseeable developments, and also referred to as 'cumulative effects'.
Intra-project cumulative effects	Combined effects of different types of impact or 'impact interactions', for example, the combined effects arising from noise, dust and visual impacts during the construction of the Proposed Development on particular sensitive receptor such as a neighbouring residential dwelling. Each of these when considered in isolation may have a limited effect, but when taken together the sum may be greater than the parts and result in a significant residual effect.
Inverse Distance Weighted	Inverse Distance Weighting (IDW) is a spatial interpolation method that estimates unknown values in a dataset by averaging the values of known, surrounding data points. It assumes that things closer to one another are more alike; therefore, closer points are given greater weight in the calculation.
Key Characteristics	The elements of the landscape and/or their inter relationship which form the defining components of the landscape.
L_{Ar}	Defined in BS 4142, this noise level includes a rating to account for potential character of the noise.
L_{Aeq}	The abbreviation of the a-weighted equivalent continuous sound pressure level.
L_{A90}	The abbreviation of the 90th percentile noise indicator, often used for the measurement of background or wind turbine noise.
Landcover	Combination of land use and vegetation that covers the land surface.
Landform	A natural feature of the earth's surface. The shape and form of the land surface resulting from combinations of geology, geomorphology, slope, elevation and physical processes.
Landscape	An area, as perceived by people, the character of which is the result of the action and interaction of natural and/or human factors.
Landscape Character	The distinct and recognisable pattern of elements that occurs consistently in a particular type of landscape, and how this is perceived by people. It reflects particular combinations of geology, landform, soils, vegetation, land use and human

Term	Definition
	settlement. It creates the particular sense of place in different areas of the landscape.
Landscape Character Type	A landscape type will have broadly similar patterns of geology, landform, soils, vegetation land use, settlement and field pattern discernible in maps and field survey records.
Landscape Element	A component part of the landscape (e.g. roads, hedgerows, woods).
Landscape Fabric	Physical elements of the landscape or development site.
Landscape Feature	A prominent eye-catching element or landmark (e.g. church spire, wooded hilltop).
Landscape Quality (or Condition)	Based on judgments about the physical state of the landscape and about its intactness. Also relates to the state of repair of individual features and elements which make up character in any one place.
Landscape Resource	The combination of elements that contribute to landscape context, character and value.
Landscape Sensitivity (to a specific type of change)	The extent to which a landscape can accept change of a particular type and scale and is assessed in relation a particular type of development. Based on a combination of susceptibility and value.
Landscape Value	The relative value or importance attached to a landscape (often as a basis for designation or recognition), which expresses commonly held national or local perception of its quality, special qualities and/or scenic beauty, tranquillity or wildness and cultural associations.
Land-use	The primary use of land, including both rural and urban activities.
Lek	A site where male birds gather to engage in lekking, a courtship ritual where they display and compete to attract females during the breeding season.
Light Goods Vehicles	All commercial vehicles < 3.5 tonnes gross maximum weight
Magnitude of Landscape Change	An assessment of the amount of change to the landscape that would occur as a result of proposed development.
Magnitude of Visual Change	An assessment of the degree of change to the quality and composition of views and visual amenity that would occur as a result of the Proposed Development.
Methodology	The specific approach and techniques used for a given study.
Miles Per Hour	Unit of measurement of speed.
Mitigation Measures	Actions proposed to avoid, prevent, reduce and where possible offset significant adverse environmental effects arising from the whole or specific elements of a development.
National Cycle Network	Designated National Cycle Network Routes within the UK.

Term	Definition
National Planning Framework 4	National spatial planning strategy for Scotland.
National Road Traffic Forecast	Factors used to apply future year growth to traffic flows.
Noise emission	Total source or "sound power level" actually radiated from each source (such as a wind turbine).
Noise immission	The sound pressure level (the perceived noise) at any receptor location due to the combined operation of (a) noise source(s), such as wind turbines.
Outdoor Access Management Plan	Document which provides information on and management measures for outdoor access during the constriction period.
Ordnance Survey	Great Britain's national mapping agency.
Personal Injury Accident	Traffic accident which is recorded to have resulted in an injury.
Planning Advice Note 75	Document from the Scottish Government that provides guidance on managing the link between land use planning and transportation.
Port of Entry	Port from which AILs are to be delivered.
Perceptual Aspect	Elements of the landscape which evoke a response to the senses, such as: • Wildness; • Remoteness; • Sense of security or risk; and • Tranquillity.
Primary Surveillance Radar	A device which transmits pulses of radio energy into the air and records reflections of those pulses from objects in the sky such as aircraft.
Proposed Development	Novar 1 Wind Farm Repowering; the project which the Applicant seeks to implement.
Receptor	A component of the natural, created or built environment such as humans, water, air, a building, or a plant that has the potential to be affected by a Proposed Development
Receptor Location	Location occupied by identified receptors.
Residual Effects	Effect of development after mitigation proposals are taken into account.
Roost	Bat or bird resting place, bat breeding location.
Scat	Mammal faeces e.g. pine marten.
Scoping	The process of identifying likely significant effects of a development on the environment – which may be carried out in a formal or informal way.
Secondary Surveillance Radar	A form of radar that sends out a query signal which is received by equipment in aircraft, which then respond with a coded reply that identifies that particular aircraft to the radar operator.

Term	Definition
Sensitivity	A term applied to specific receptors, combining judgements of the susceptibility of the receptor to the specific type of change or development proposed and the value related to that receptor.
Sett	Below ground badger resting place.
Setting	A detailed and nuanced definition for setting as understood in a Scottish cultural heritage context can be found in HES's 2020 Managing Change in the Historic Environment: Setting document. At its simplest, setting "*…is the way the surroundings of a historic asset or place contribute to how it is understood, appreciated and experienced*." (HES 2020).
Shadow Flicker	A phenomenon caused by the moving shadow of the turbine rotor being cast over a narrow opening, such as a window or open door.
Significance of effect	Measure of the importance or gravity of the environmental effect, defined by either generic significance criteria or criteria specific to the environmental topic.
Spraint	Otter faeces
Topography	The arrangement of the natural and artificial physical features of an area.
Traffic Management and Monitoring Plan	Document which outlines traffic management measures to mitigate adverse impacts associated with construction related traffic for a number of projects.
Transport Scotland	National transport agency for Scotland, delivering the Scottish Government's vision for transport.
Travel Plan Coordinator	Personal responsible for updating, promoting and implementing the Travel Plan
Trunk Road	Strategic road
Uncontrolled airspace	A category of airspace in which any aircraft can fly without clearance from or contact with any air traffic control agency.
Visibility Analysis	The process of identifying theoretical (based on digital modelling) and/or actual predicted areas from where any given development may be seen.
Visual Amenity	The overall quality and composition of views that people enjoy or their surroundings.
Visual Effect	The consequence of change in the quality and composition of views as a result of development, which may be positive or negative.
Visual Impact	The change in the quality and composition of views which may be adverse or beneficial.
Visual Sensitivity	The degree to which visual receptors experience changes to views and visual amenity based on a combination of susceptibility to change and value or importance of the view (which may be

Term	Definition
	determined with respect to its popularity or number of affected people, its appearance in guidebooks, on tourist maps and the facilities provided for its enjoyment and references to it in literature and/or art).
Visualisation	Computer generated simulation or photomontage or other technique to illustrate how the proposed development would appear.
Zone of Theoretical Visibility	The area of sea or land from which a proposed development could theoretically be visible on the basis of a digital terrain model or digital surface model, which may/may not take account of landcover features such as built form or vegetation.

Abbreviations

Abbreviation	Expanded Term
AADT	Annual Average Daily Traffic
AGA	Air-Ground-Air
agl	above ground level
AIFS	Aviation Impact Feasibility Study
AIL	Abnormal Indivisible Load
ALGAO	Association of Local Government Archaeologists Scotland
Amsl	Above mean sea level
ANO	Air Navigation Order
AOD	Above Ordnance Datum
AP	Annual Probability
APDO	Approved Procedure Design Organisation
ARWTN	Assessment and Rating of Wind Turbine Noise
asl	Above sea level
ATC	Automatic Traffic Count
ATCSMAC	Air Traffic Control Surveillance Minimum Altitude Chart
AWI	Ancient Woodland Inventory
AWR	Air Weapons Range
BAP	Biodiversity Action Plan
BESS	Battery Energy Storage System
BGS	British Geological Survey
BMV	Best and Most Versatile
BNG	Biodiversity Net Gain
BoCC	Birds of Conservation Concern
BoP	Balance of Plant
BP	Borrow Pit
BS	British Standard
BTO	British Trust for Ornithology
CAA	Civil Aviation Authority
CAP	Civil Aviation Publication
CAR	Controlled Activities Regulations
CEMP	Construction Environmental Management Plan
CIEEM	Chartered Institute of Ecology and Environmental Management
CIfA	Chartered Institute of Archaeologists
CIRIA	Construction Industry Research and Information Association
CMLI	Chartered Member of the Landscape Institute
CRA	Collision Risk Assessment
CRM	Collision Risk Modelling
CRTN	Calculation of Road Traffic Noise

Abbreviation	Expanded Term
CTA	Control Area
CTMP	Construction Traffic Management Plan
dB	Decibel
DBA	Desk-based Assessment
DCEMP	Decommissioning and Construction Environmental Management Plan
DEMP	Decommissioning Environmental Management Plan
DfT	Department for Transport
DIA	Drainage Impact Assessment
DME	Distance Measuring Equipment
DMRB	Design Manual for Roads and Bridges
DWPA	Drinking Water Protected Area
EASR	Environmental Authorisations Scotland Regulations
EcIA	Ecological Impact Assessment
ECoW	Ecological Clerk of Works
ECU	Energy Consents Unit
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
ETSU-R-97	The Assessment and Rating of Noise from Wind Farms
EnvCoW	Environmental Clerk of Works
FL	Flight Level
FLS	Forestry and Land Scotland
ft	feet
GDL	Inventory Garden and Designated Landscape
GET	Golden Eagle Topographical
GI	Ground Investigation
GIS	Geographic Information System
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, Third Edition.
GPG	Good Practice Guidance
GPP	Guidance for Pollution Prevention
GW	Gigawatt
GWDTE	Groundwater Dependent Terrestrial Ecosystems
ha	hectares
HEPS	Historic Environment Policy for Scotland
HER	Historic Environment Record
HES	Historic Environment Scotland
HET	Historic Environment Team
HGV	Heavy Goods Vehicle
HIAL	Highlands & Islands Airports Ltd
HLAMap	Historic Land-use Assessment Map
HMP	Habitat Management Plan

Abbreviation	Expanded Term
HRA (aviation)	Highlands Restricted Area
HRA (ornithology)	Habitat Regulations Appraisal
HRSG	Highland Raptor Study Group
HV	High Voltage
HwLDP	Highland-wide Local Development Plan
IAF	Initial Approach Fix
IAP	instrument approach procedure
IBC	Intermediate Bulk Containers
Ibidem (ibid.)	In the same source
ICAO	International Civil Aviation Organisation
IDW	Inverse Distance Weighted
IEFs	Important Ecological Features
IFPs	Instrument Flight Procedures
IFR	Instrument Flight Rules
IGCCSA	Indicative Grid Connection Corridor Study Area
IMFLDP2	Inner Moray Firth Local Development Plan 2
IOA	Institute of Acoustics
IOA GPG	Institute of Acoustics Good Practice Guide
ISEP	Institute of Sustainability and Environmental Professionals
JNCC	Joint Nature Conservation Committee
km	Kilometre
L	Litre
L_{A90}	90th percentile noise level.
L_{Aeq}	Equivalent continuous noise level.
L_{Ar}	Rated noise level
LB	Listed Building
LCT	Landscape Character Type
LDP	Local Development Plan
LEPO	Long Established (Woodland) of Plantation Origin
LFA	Low Flying Area
LGV	Light Goods Vehicles
LiDAR	Light Detection And Ranging
LSE	Likely Significant Effects
LVIA	Landscape and Visual Impact Assessment
m	metre
MBBS	Moorland Breeding Bird Survey
MMP	Materials Management Plan
MoD	Ministry of Defence
Mph	Miles per hour
MRTPI	Member of the Royal Town Planning Institute

Abbreviation	Expanded Term
MSA	Minimum Sector Altitude
MSD	Minimum Separation Distance
MW	Megawatt
NATS	formerly National Air Traffic Services
NBN	National Biodiversity Network
NCAP	National Collection of Aerial Photography
NCN	National Cycle Network
NDB	Non-Directional Beacon
NERL	NATS En Route plc
NHZ	Natural Heritage Zone
NLS	National Library of Scotland
nm	nautical mile
NPF4	National Planning Framework 4
NRHE	National Record of the Historic Environment
NRTF	National Road Traffic Forecasts
NS	Naturescot
NSA	National Scenic Area
NSR	Noise Sensitive Receptor
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OAMP	Outdoor Access Management Plan
OBEMP	Outline Biodiversity Enhancement Management Plan
ODCEMP	Outline Decommissioning and Construction Environmental Management Plan
OLF	Operational Low Flying
OPMP	Outline Peat Management Plan
OS	Ordnance Survey
OWESG	Onshore Wind Energy Supplementary Guidance
PAC	Pre-Application Consultation
PAN	Planning Advice Note
PAN75	Planning Advice Note 75
PCA	Peatland Condition Assessment
PCB	Polychlorinated Biphenyls
PCH	Potential Collision Height
PCS	Power Conversion Systems
PIA	Personal Injury Accident
PLHRA	Peat Landslide Hazard Risk Assessment
PMP	Peat Management Plan
PoE	Port of Entry
PPP	Pollution Prevention Plan
PRoW	Public Right of Way

Abbreviation	Expanded Term
PSR	Primary Surveillance Radar
PWS	Private Water Supply
QP	Qualified Person
RBD	River Basin District
RNP	Required Navigation Performance
RRH	Remote Radar Head
RSPB	Royal Society for the Protection of Birds
RVAA	Residential Visual Amenity Assessment
SAC	Special Area of Conservation
SAP	Senior Authorised Person
SBL	Scottish Biodiversity List
SEPA	Scottish Environment Protection Agency
SID	Standard Instrument Departure
SLA	Special Landscape Area
SLQ	Special Landscape Quality
SM	Scheduled Monument
SNH	Scottish Natural Heritage (now NatureScot)
SPA	Special Protection Area
SPP	Species Protection Plan
SSEN	Scottish and Southern Electrical Networks
SSR	Secondary Surveillance Radar
SSSI	Site of Special Scientific Interest
STAR	Standard Arrival Route
SuDS	Sustainable Urban Drainage Systems
SWMP	Site Waste Management Plan
TR	Trunk Road
TAA	Terminal Arrival Altitude
THC	The Highland Council
TMMP	Traffic Management and Monitoring Plan
TPC	Travel Plan Coordinator
TS	Transport Scotland
UK BAP	United Kingdom Biodiversity Action Plan
UKHab	UK Habitat Classification
VHF	Very High Frequency
VOR	VHF Omni-Range
VP (LVIA)	Viewpoint
VP (Ornithology)	Vantage Point
WEEE	Wast Electrical and Electronic Equipment
WFD	Water Framework Directive
WLA	Wild Land Area

Abbreviation	Expanded Term
WQFMP	Water Quality and Fish Monitoring Plan
WSI	Written Scheme of Investigation
ZoI	Zone of Influence
ZTV	Zone of Theoretical Visibility