

Volume 4: Technical Appendices

Abbreviations and Acronyms

Abbreviation or Acronym	Meaning
AADT	Annual Average Daily Traffic
AAIL	Abnormal Indivisible Load
AC	Alternating Current
ACC	Area Control Centre
ACoW	Archaeological Clerk of Works
ACIfA	Associate Member of the Chartered Institute for Archaeologists
ADR	Air Defence Radar
AD	Air Defence
AESS	Alarm and Emergency Shutdown System
AGL	Above Ground Level
AI	Artificial Intelligence
AIA	Arboricultural Impact Assessment
AIL	Abnormal Indivisible Load
AILV	Abnormal Indivisible Load Vehicle
AIS	Aeronautical Information Service
AM	Amplitude Modulation
ANO	Air Navigation Order
ANSP	Air Navigation Service Provider
APDO	Approved Procedure Design Organisation
ARWTN	Assessment and Rating of Wind Turbine Noise
ART	Ayrshire Rivers Trust
ASNW	Ancient and Semi-Natural Woodland
ATM	Air Traffic Management
ATV	All Terrain Vehicle
ATS	Air Traffic Service
AWI	Ancient Woodland Inventory
BA	Bachelor of Arts
BAT	Best Available Techniques
BBS	Breeding Bird Survey
BD	Buildings
BDMP	Bird Disturbance Management Plan
BEA	Biodiversity Enhancement Area
BEMP	Biodiversity Enhancement Management Plan



Abbreviation or Acronym	Meaning
BEng	Bachelor of Engineering
BESS	Battery Energy Storage System
BG	Bare Ground
BGL	Below Ground Level
BIM	Building Information Modelling
BMG	Biodiversity Management Group
BNG	British National Grid
BNL	Basic Noise Level
BoCC	Birds of Conservation Concern
BR	Breeding Season
BS	British Standard
BSc	Bachelor of Science
BSI	British Standards Institution
BSMP	Battery Safety Management Plan
BCT	Bat Conservation Trust
CA	Conservation Area
CAA	Civil Aviation Authority
CAD	Computer-Aided Design
CAP	Civil Aviation Publication
CAR	Controlled Activities Regulations
CAS	Controlled Airspace
CC-BY	Creative Commons Attribution Licence
CDM	Construction (Design and Management) Regulations 2015
CEMP	Construction Environmental Management Plan
CF	Clear-felled Woodland
CI	Confidence Interval
CIEEM	Chartered Institute of Ecology and Environmental Management
CIRIA	Construction Industry Research and Information Association
CLVIA	Cumulative Landscape and Visual Impact Assessment
CMLI	Chartered Member of the Landscape Institute
CMRA	Coal Mining Risk Assessment
CMS	Construction Method Statement
CMT	Construction Management Team
CNS	Communication, Navigation and Surveillance
CO ₂	Carbon Dioxide
CP	Coniferous Plantation



Abbreviation or Acronym	Meaning
CRAA	Collision Risk Analysis Area
CRM	Collision Risk Modelling
CRTN	Calculation of Road Traffic Noise
CSM	Conceptual Site Model*
CSZ	Core Sustenance Zone
CTMP	Construction Traffic Management Plan
DBW	Daytime Bat Walkover
DC	Direct Current
DECC	Department of Energy and Climate Change
DEFRA	Department for Environment, Food and Rural Affairs
DESNZ	Department for Energy Security and Net Zero
DGC	Defence Geographic Centre
DIO	Defence Infrastructure Organisation
DIOS	Defence Infrastructure Organisation Safeguarding
DSM	Digital Surface Model
DTM	Digital Terrain Model
DUKES	Digest of UK Energy Statistics
EAC	East Ayrshire Council
EALWCS	East Ayrshire Landscape Wind Capacity Study
EASR	Environmental Authorisations (Scotland) Regulations 2018
EclA	Ecological Impact Assessment
ECow	Ecological Clerk of Works
EDF	Equivalent Days Factor
EIAR	Environmental Impact Assessment Report
EIA	Environmental Impact Assessment
EIFAAC	European Inland Fisheries and Aquaculture Advisory Commission
EIRP	Environmental Incident Response Plan
EMC	Electromagnetic Compatibility
EMS	Energy Management System
EnvCoW	Environmental Clerk of Works
EoL	End-of-Life
EPPP	Emergency Pollution Prevention Plan
EPS	European Protected Species
EQS	Environmental Quality Standards
ESS	Energy Storage System
ETSU	Energy Technology Support Unit



Abbreviation or Acronym	Meaning
EU	European Union
EUROCONTROL	European Organisation for the Safety of Air Navigation
FI	Financially Involved
FL	Flight Level
FoS	Factor of Safety
FPE	Fire Protection Engineer
FRS	Fire and Rescue Services
FSS	Fire Suppression System
FGS	Fellow of the Geological Society / Forestry Grant Scheme
FMS	Fisheries Management Scotland
FSAScot	Fellow of the Society of Antiquaries of Scotland
GA S&R	General Aviation Sports and Recreation
GBS	General Binding Rules
GCN	Great Crested Newt
GCoW	Geotechnical Clerk of Works
GDL	Garden and Designed Landscape
GFCM	General Fisheries Commission for the Mediterranean
GHG	Greenhouse Gas
GI	Ground Investigation
GIS	Geographic Information System
GLM	Glenmuir Monitoring Site
GLTA	Ground Level Tree Assessment
GLVIA3	Guidelines for Landscape and Visual Impact Assessment (3rd Edition)
GMICE	Graduate Member of the Institution of Civil Engineers
GPA	Glasgow Prestwick Airport
GPG	Good Practice Guide
GPP	Guidance for Pollution Prevention
GPS	Global Positioning System
GRR	Geotechnical Risk Register
GSP	Grid Supply Point
GWDTE	Groundwater Dependent Terrestrial Ecosystem
GWL	Ground Water Level
ha	Hectare
HEMS	Helicopter Emergency Medical Service
HER	Historic Environment Record
HES	Historic Environment Scotland



Abbreviation or Acronym	Meaning
HGV	Heavy Goods Vehicle
HH	Hub Height
HIA	Herbivore Impact Assessment
HLA	Historic Land-use Assessment
HRA	Habitats Regulations Assessment
HSE	Health and Safety Executive
HVAC	Heating, Ventilation and Air Conditioning
HV	Heavy Vehicle
Hz	Hertz
ICAO	International Civil Aviation Organization
ICES	International Council for the Exploration of the Sea
IEC	International Electrotechnical Commission
ICOMOS-UK	International Council on Monuments and Sites UK
IEF	Important Ecological Feature
IFR	Instrument Flight Rules
IFP	Instrument Flight Procedure
IGCC	Indicative Grid Connection Corridor
INNS	Invasive Non-Native Species
InSAR	Interferometric Synthetic Aperture Radar
IOA	Institute of Acoustics
IOF	Important Ornithological Feature
IP	Ingress Protection
ISEP	Institute of Sustainability and Environmental Professionals
ISMS	Information Security Management System
JNCC	Joint Nature Conservation Committee
JRC	Joint Radio Company
kHz	Kilohertz
km	Kilometre
kPa	Kilopascal
kV	Kilovolt
LB	Listed Building
LCT	Landscape Character Type
LDP2	Local Development Plan 2
LEPO	Long Established Plantation Origin Woodland
LFA	Low Flying Area
LFP	Lithium Iron Phosphate



Abbreviation or Acronym	Meaning
LiDAR	Light Detection and Ranging
LiFePO ₄	Lithium Iron Phosphate
Li-ion	Lithium-ion
LITGN	Landscape Institute Technical Guidance Note
LLA	Local Landscape Area
LLASG	Local Landscape Areas Supplementary Guidance
LLV	Lower Limiting Value
LNCS	Local Nature Conservation Site
LNR	Local Nature Reserve
LoS	Line of Sight
L VIA	Landscape and Visual Impact Assessment
LwA	A-weighted Sound Power Level
MA	Master of Arts
MAH	Major Accident Hazard
MBA	Master of Business Administration
MCA	Maritime and Coastguard Agency
MC	Mixed Conifer
MCIEEM	Member of the Chartered Institute of Ecology and Environmental Management
MCIHT	Member of the Chartered Institution of Highways and Transportation
MCIWEM	Member of the Chartered Institution of Water and Environmental Management
MCIfA	Member of the Chartered Institute for Archaeologists
MDG	Dumfries & Galloway HER Reference
MEWP	Mobile Elevated Work Platform
MOD	Ministry of Defence
MRTPI	Member of the Royal Town Planning Institute
MSc	Master of Science
MS222	Tricaine Methane Sulphonate
MW	Megawatt
NANR116	Open/Closed Window Research Guidance
NATS	National Air Traffic Services
NBR	Non-Breeding Season
NCI	Nature Conservation Importance
NEC	National Electrical Code
NERL	NATS En Route Limited



Abbreviation or Acronym	Meaning
NFCC	National Fire Chiefs Council
NFI	National Forest Inventory
NFPA	National Fire Protection Association
NGR	National Grid Reference
NHZ	Natural Heritage Zone
NIDL	Non-Inventoried Designed Landscape
NMRS	National Monuments Record of Scotland
NMU	Non-Motorised User
NMUA	Non-Motorised User Amenity
NMUD	Non-Motorised User Delay
NMC	Nickel Manganese Cobalt
NPAS	National Police Air Service
NPF4	National Planning Framework 4
NSA	National Scenic Area
NTS	Non-Technical Summary
NVC	National Vegetation Classification
NWSS	Native Woodland Survey of Scotland
OBEMP	Outline / Operational Biodiversity Enhancement Management Plan
ODD	Obstruction, Damage or Destruction
OEMP	Operational Environmental Management Plan
OGL	Open Government Licence
OHL	Overhead Line
PAC	Pre-Application Consultation
PARC	Priority Area for Red Squirrel Conservation
PAWS	Plantation on Ancient Woodland Site
PCA	Peatland Condition Assessment
PCS	Power Conversion System
PCIfA	Practitioner Member of the Chartered Institute for Archaeologists
PEA	Preliminary Ecological Appraisal
PhD	Doctor of Philosophy
PIEMA	Practitioner Member of IEMA
PLHRA	Peat Landslide Hazard and Risk Assessment
PMMP	Powharnal Mitigation Management Plan
PMO	Planning Monitoring Officer
PMP	Peat Management Plan
PoC	Point of Connection



Abbreviation or Acronym	Meaning
PP	Pocket Penetrometer
PPIP	Pollution Prevention and Incident Plan
PPE	Personal Protective Equipment
PRA	Preliminary Roost Assessment
PRF	Potential Roost Feature
PSR	Primary Surveillance Radar
PTGui	Panorama Tools Graphical User Interface
PWS	Private Water Supply
RAF	Royal Air Force
RAMS	Risk Assessment Method Statements
RDP	Radar Data Processor
RMSE	Root Mean Square Error
RRH	Remote Radar Head
RSA	Red Squirrel Area
RVAA	Residential Visual Amenity Assessment
SAC	Special Area of Conservation
SAR	Search and Rescue
SB	Three-spined Stickleback
SBL	Scottish Biodiversity List
SBBS	Scarce Breeding Bird Survey
SCT	Scattered Conifer Trees
SEPA	Scottish Environment Protection Agency
SFRS	Scottish Fire and Rescue Service
SFCC	Scottish Fisheries Coordination Centre
SGN	Supplementary Guidance Note
SL	Stone Loach
SM	Scheduled Monument
SNH	Scottish Natural Heritage
SoC	State of Charge
SoDAR	Sonic Detection and Ranging
SoH	State of Health
SPA	Special Protection Area
SPP	Species Protection Plan
spp.	Species (plural)
SPEN	Scottish Power Energy Networks
SS	Sitka Spruce



Abbreviation or Acronym	Meaning
SSSI	Site of Special Scientific Interest
SSNL	Site-Specific Noise Limit
SSRS	Saving Scotland's Red Squirrels
SSR	Secondary Surveillance Radar
STGO	Special Types General Order
SuDS	Sustainable Drainage Systems
SWMP	Site Waste Management Plan
SysML	Systems Modelling Language
TCC	Temporary Construction Compound
TGN	Technical Guidance Note
TMA	Terminal Control Area
TMS	Thermal Management System
TN	Target Note
TNAC	Total Noise Assessment Criteria
TPO	Tree Preservation Order
UKERC	UK Energy Research Centre
UL	Underwriters Laboratories
UHF	Ultra High Frequency
UK	United Kingdom
VFR	Visual Flight Rules
VHF	Very High Frequency
VP	Vantage Point
VPs	Vantage Points
VNS	Visual Nature Studio
WCA	Wildlife and Countryside Act
WFD	Water Framework Directive
WFRMS	Wind Farm Radar Mitigation System
WGEEL	Working Group on Eels
WHS	World Heritage Site
WMP	Waste Management Plan
WoSAS	West of Scotland Archaeology Service
WPP	Water Preferred Policy
WQMP	Water Quality Monitoring Plan
WSI	Written Scheme of Investigation
WTG	Wind Turbine Generator
WWO	Winter Walkover Survey



Abbreviation or Acronym	Meaning
YBP	Young Broadleaved Plantation
YCP	Young Coniferous Plantation
YMP	Young Mixed Plantation
ZTV	Zone of Theoretical Visibility

