

Chapter 15: Glossary & Abbreviations

15. Glossary & Abbreviations

Table 15.1.1
Glossary of terms

Term	Definition
Accuracy	A measure of how well a set of data fits the true value.
Adjustment	Application of a correction factor to modelled results to account for uncertainties in the model.
Air Quality Objective	Policy target generally expressed as a maximum ambient concentration to be achieved, either without exception or with a permitted number of exceedances within a specific timescale (see also air quality standard).
Annual Average Daily Traffic / AADT	A daily total traffic flow (24 hours), expressed as a mean daily flow across all 365 days of the year.
Annual mean	The average (mean) of the concentrations measured for each pollutant for one year.
Application site	The area of the proposed development that is encompassed by the redline boundary of the planning application.
Category A	Used to describe trees of high quality with an estimated remaining life expectancy of at least 40 years, as per BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations.
Category B	Used to describe trees of moderate quality with an estimated remaining life expectancy of at least 20 years, as per BS 5837:2012.
Category C	Used to describe trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm, as per BS 5837:2012.
Category U	Used to describe trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years, as per BS 5837:2012.
Construction Environmental Management Plan	A plan to outline how a construction project will avoid, minimise, or mitigate effects on the environment and surrounding area
Cumulative Schemes	Developments that have received planning permission that have the potential to result in cumulative effects alongside the proposed development. They are assumed to be in place by the time the Development being assessed is under construction and/or completed.
Decibels / dB	Sound levels from any source can be measured in frequency bands in order to provide detailed information about the spectral content of the noise, i.e. whether it is high-pitched, low-pitched, or with no distinct tonal character. These measurements are usually undertaken in octave or third octave frequency bands. If these values are summed logarithmically, a single dB figure is obtained. This is usually not very helpful as it simply describes the total amount of acoustic energy measured and does not take any account of the ear’s ability to hear certain frequencies more readily than others.
dB(A)	Instead of dB, the dBA figure is used, as this is found to relate better to the loudness of the sound heard. The dBA figure is obtained by subtracting an appropriate correction, which represents the variation in the ear’s ability to hear different frequencies, from the individual octave or third octave band values, before summing them logarithmically. As a result the single dBA value provides a good representation of how loud a sound is.
Design Interventions	Physical objects or alterations to the design of the proposed development that have been developed for the purpose of wind mitigation.
Dust	Dust comprises particles typically in the size range 1-75 micrometres (µm) in aerodynamic diameter and is created through the action of crushing and abrasive forces on materials.
EIA Regulations	The Town and Country Planning (Environmental Impact Assessment) Regulations 2017, as amended.
EIA Scoping	An initial stage in determining the nature and potential scale of the environmental impacts arising from a proposed development and assessing what further studies are required to establish their significance.
EIA Scoping Opinion	A written statement of the opinion of the relevant planning authority as to the information to be provided in the Environmental Statement which specifically requires a local planning authority to respond or consult with consultees within a statutory period.
EIA Screening	An initial stage in which the need for EIA is considered in respect of a development. Some developments are automatically subject to EIA by means of their inevitable size, nature and effects (Schedule 1 developments). Other projects are made subject to EIA because it is anticipated that they are likely to have significant environmental effects (Schedule 2 developments).
Emission rate	The quantity of a pollutant released from a source over a given period of time.
Environmental DNA / eDNA	A survey technique for identifying presence of a given species in a given environment. Most typically used to detect presence of Great Crested Newts in ponds.
Environmental Impact Assessment	A process by which information about the environmental effects of a development is collected and taken into account by the relevant decision-making body before a decision is given on whether the development should go ahead.

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Term	Definition
Environmental Statement	A statement that includes such information that is reasonably required to assess the environmental effects of a development.
Exceedance	A period of time where the concentrations of a pollutant is greater than the appropriate air quality standard.
Ground-level tree assessment / GLTA	A survey technique for identifying potential bat roosting features in trees.
Habitat Suitability Index	A survey technique for assessing the suitability of ponds for Great Crested Newts.
Hardstanding	Ground surfaced with a hard material.
Hoarding	A temporary board fence set up on the perimeter of a building site.
Indices of Multiple Deprivation	A UK government qualitative study of deprived areas in English local councils.
Indices of Multiple Deprivation	A UK government qualitative study of deprived areas in English local councils.
LAeq	Since almost all sounds vary or fluctuate with time it is helpful, instead of having an instantaneous value to describe the noise event, to have an average of the total acoustic energy experienced over its duration. The LAeq, 07:00 – 23:00 for example, describes the equivalent continuous noise level over the 16-hour period between 7 am and 11 pm. During this time period the LpA at any particular time is likely to have been either greater or lower that the LAeq, 07:00 – 23:00.
LAmix	The LAmix is the loudest instantaneous noise level. This is usually the loudest 125 milliseconds measured during any given period of time.
Magnitude of Impact	The degree and extent to which the project changes the environment.
Massing	Massing refers to the structure in three dimensions, usually outlining the height and size of a building.
Mitigation	Any process, activity or measure designed to avoid, reduce or remedy adverse environmental impacts likely to be caused by a development project.
Mitigation Measures	Non-physical measures that would be developed for the purpose of wind mitigation.
Non-Technical Summary	A summary of the Environmental Statement in ‘non-technical language’.
Ordnance Datum	Land levels are measured relative to the average sea level at Newlyn, Cornwall. This average level is referred to as ‘Ordnance Datum’.
Percentile	The percentage of results below a given value.
Potential roosting feature / PRF	Potential roosting feature, in a tree, building or structure that could be used by roosting bats.
Preliminary roost assessment / PRA	A survey technique for identifying potential bat roosting features in buildings/structures.
Receptor (Sensitive)	A component of the natural, created, or built environment such as human being, water, air, a building, or a plant that is affected by an impact.
Residual Effects	Those effects of a development following implementation of any relevant mitigation proposals.
Risk Assessment	An assessment of the likelihood and severity of an occurrence.
Road link	A length of road which is considered to have the same flow of traffic along it. Usually, a link is the road from one junction to the next.
Screening (landscaping)	A natural or man-made feature which separates land uses.
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.
Severance	The perceived divisions that can occur within a community when it becomes separated by a traffic route.
Statutory Consultees	Groups or bodies that, by law, must be consulted as part of the planning application process for EIA development.
The Application Site	The extent of the development site, as defined by the red-line boundary plan.

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Term	Definition
Topography	The natural and man-made features of an area collectively.
Trackout	The transport of dust and dirt from the construction/demolition site onto the public road network, where it may be deposited and then re-suspended by vehicles using the network. This arises when heavy duty vehicles (HDVs) leave the construction/ demolition site with dusty materials, which may then spill onto the road, and/or when HDVs transfer dust and dirt onto the road having travelled over muddy ground on site.
Transport Assessment	Technical document which assesses the effect of a proposed development on the traffic and transport conditions, in support of a planning application
Travel Plan	A document which puts measures in place that will encourage sustainable travel and reduce reliance on single occupancy cars.
Visual Amenity	The overall pleasantness of the views people enjoy of their surroundings, which provides an attractive visual setting or backdrop for the enjoyment of activities of people living, working, recreating, visiting or travelling through an area.

Table 15.1.2
Abbreviations

Abbreviation	Term
AADT	Annual Average Daily Traffic
AAWT	Annual Averaged Weekdays Traffic
ABS	Annual Business Survey
ACoW	Arboricultural clerk of works
AOD	Above Ordnance Datum
APEA	Association for Petroleum and Explosives Administration
AQO	Air Quality Objective
ARCADY	Roundabout junction modelling software
ASHE	Annual Surveys of Hours and Earnings
ASHPs	Air Source Heat Pumps
ATC	Automatic Traffic Count
B	Building, used with a reference number e.g. B1 for Building 1.
BBS	Breeding Bird Survey(s)
BGS	British Geological Society
BNL	Basic Noise Level
BoCC	Birds of Conservation Concern
BPM	Best Practicable Means
CADNA	Computer Aided Noise Abatement
CBD	The Convention on Biological Diversity
CCS	Current Conservation Status.
CEMP	Construction Environmental Management Plan.

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Abbreviation	Term
CEZ	Construction Exclusion Zone.
CIEEM	Chartered Institute of Ecology and Environmental Management.
CIRIA	Construction Industry Research and Information Association
CL:AIRE	Contaminated Land: Applications in Real Environments
CLP	Construction Logistics Plan
CMS	The Convention on the Conservation of Migratory Species of Wild Animals
CRoW	Countryside and Rights of Way
CSM	Conceptual Site Model
CTMP	Construction Traffic Management Plan.
DAS	Design and Access Statement
dB	Decibel
dB(A)	A-weighted decibel
DCWW	Dwr Cymru Welsh Water
DEFRA	Department for Environment, Food and Rural Affairs
DfT	Department for Transport
DM	Do-Minimum
DMRB	Design Manual for Roads and Bridges
DoWCoP	Definition of Waste Code of Practice
DS	Do-Something
EA	Environment Agency
EC	European Commission
EclA	Ecological Impact Assessment
eDNA	Environmental DNA
EIA	Environmental Impact Assessment
ELR	Joint Employment Land Review
EPS	European Protected Species
EPSML	European Protected Species Mitigation Licence
ES	Environmental Statement
FCS	Favorable Conservation Status
FTE	Full-Time Equivalent (jobs)

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Abbreviation	Term
GCN	Great crested newt (Triturus cristatus).
GEA	Gross External Area
GLTA	Ground-level tree assessment
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, Third Edition
GTA	Guidance on Transport Assessment
H	Hedgerow, used with a reference number e.g. H1 for Hedgerow 1.
Ha	Hectare
HCA	Homes and Communities Agency
Hedgerows Regulations	Used as an abbreviation of The Hedgerows Regulations 1997
HGV	Heavy Goods Vehicles
HRA	Habitats Regulations Assessment
HSI	Habitat Suitability Index
IAQM	Institute of Air Quality Management
IEMA	Institute of Environmental Management and Assessment
IMD	Indices of Multiple Deprivation
IRZ	Impact Risk Zone
IZoI	Immediate Zone of Influence
JNCC	Joint Nature Conservation Committee
km	Kilometres
LAQM	Local Air Quality Management
LBAP	Local Biodiversity Action Plan
LDP	Local Development Plan
LEMP	Landscape and Ecological Management Plan
LGV	Light Goods Vehicles
LNR	Local Nature Reserve
LPA	Local Planning Authority
LSOA	Lower Super Output Areas
LSWB	Lesser silver water beetle (Hydrochara caraboides)
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site

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Abbreviation	Term
m	Metre
m/s	Metres per Second
MAGIC	Multi Agency Geographic Information for the Countryside
mAOD	Metres Above Ordnance Datum
MNR	Marine Nature Reserve
MSOA	Middle Layer Super Output Area
N/A	Not Applicable
NE	Natural England
NGR	National Grid Reference
NLCA	National Landscape Character Area
NNR	National Nature Reserve
NO ₂	Nitrogen dioxide
NO _x	Nitrogen oxides
NRW	Natural Resources Wales
NTM	National Transport Model
NTS	Non-Technical Summary
OD	Ordnance Datum
ONS	Office for National Statistics
OS	Ordnance Survey
P	Pond, used with a reference number e.g. P1 for Pond 1.
PBA	Protection of Badgers Act
PFS	Petrol Filling Station
PICADY	Prioiry Junction Modelling Software
PM ₁₀	Particulate matter with an aerodynamic diameter of less than 10 micrometres.
PM _{2.5}	Particulate matter with an aerodynamic diameter of less than 2.5 micrometres.
PPE	Personal Protective Equipment
PPW	Planning Policy Wales
PRA	Preliminary roost assessment
PRF	Potential roosting feature
PRoW	Public Right of Way

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Abbreviation	Term
PV	Photovoltaic Cells
RAMs	Reasonable avoidance measures
RPA	Root protection area
S7	Section 7, used in relation to priority habitats and species
SAC	Special Area of Conservation
SPA	Special Protection Area
SPEN	Scottish Power Energy Network
SPZ3	Source Protection Zone 3
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage Systems
SUMP	Sustainable Urban Mobility Plan
T	Tree, used with a reference number e.g. T101 for Tree 101
TA	Transport Assessment
TAG	Transport analysis guidance
TAN	Technical Advice Note
TDP	Transport Decarbonisation Plan
TEMPRO	A traffic prediction model
TEP	The Environment Partnership (TEP) Limited
TP	Travel Plan
TPO	Tree Preservation Order
TRICS	Trip Rate Information Computer System
UDP	Unitary Development Plan
UKCP	United Kingdom Climate Projections
UNESCO	The United Nations Educational, Scientific and Cultural Organisation
VISSIM	VISSIM is a Traffic simulation model
WBS	Wintering bird survey(s)
WCA	Wildlife and Countryside Act, used as an abbreviation when referencing the 1981 act
WCA1	Species listed under Schedule 1 of the Wildlife and Countryside Act 1981 (as amended).
WCA5	Species listed under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended)
WCBC	Wrexham County Borough Council

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Abbreviation	Term
WFD	Water Framework Directive
WLGA	Welsh Local Government Association
Wrexham CBC	Wrexham County Borough Council
WWTW	Waste Water Treatment Works.
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility

Thank you

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