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## **Glossary of Terms**

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## GLOSSARY OF TERMS

Term, Abbreviation or Acronym	Meaning
%HA	Percentage (of population) "Highly Annoyed"
%HSD	Percentage (of population) "Highly Sleep-Disturbed"
AA	Appropriate Assessment
AACH	Architectural, Archaeological and Cultural Heritage
AADT	Annual Average Daily Traffic
AAP	Area of Archaeological Potential
ABC	American Birds Conservancy
ABP	An Bord Pleanála
AC	Alternating Current
ACA	Architectural Conservation Area
ACM	Asbestos Containing Material
ADMS	Atmospheric Dispersion Modelling System
AEP	Annual Exceedance Probability
AERMOD	Air Quality Dispersion Modelling System
AH	Archaeological Heritage
AHU	Air Handling Unit
AIMD	Active Implantable Medical Devices
ALAM	Ashtown Local Area Model
ALARP	As Low As Reasonably Practicable
ANS	Ambient Noise Sensor
AON	Apparently Occupied Nest
AQMP	Air Quality Management Plan
ASP	Auxiliary Supply Point
ATC	Automatic Traffic Count
ATP	Automatic Train Protection
ATW	Automatic Train Wash
AVI	Automatic Vehicle Inspection
AWB	Artificial Waterbody
AWP	Automatic Washing Plant
AZ	Assessment Zone
BAT	Best Available Techniques
BCT	Bat Conservation trust
BEMU	Battery-Electrical Multiple Unit
BER	Building Energy Rating
bgl	Below Ground Level
BH (site)	Structure of Architectural Significance
BLAM	Blanchardstown Local Area Model
BMS	Building Management System
BOCCI	Birds of Conservation Concern in Ireland
BOD	Biochemical Oxygen Demand

Term, Abbreviation or Acronym	Meaning
BRT	Bus Rapid Transit
BSBI	Botanical Society of Britain & Ireland
BSI	British Standard Institution
BT	British Telecoms
BTO	British Trust for Ornithology
BTS	Base Station
C&D	Construction and Demolition
CA	Conservation Area
CAF	Common Appraisal Framework
CAFE	Clean Air For Europe
Cant	Superelevation / cross fall of the rails
CAP	Climate Action Plan
CAPEX	Capital expenditure
CARO	Climate Action Regional Office
CARP	Climate Action Regional Office
CAWS	Continuous Automatic Warning System
CBI	Computer-Based Interlocking
CCE	Chief Civil Engineer
CCRP	City Centre Re-signalling Project
CCTV	Closed Circuit Television
CDP	City/County Development Plan
CDW	Construction and Demolition Waste
CDWMP	Construction and Demolition Waste Management Plan
CEA	Cumulative Effects Assessment
CEI	Compliance Engineering Ireland
CEMP	Construction Environmental Management Plan
CERC	Cambridge Environmental Research Consultants
CESMM	Civil Engineering Standard Method of Measurement
CFRAM	Catchment Flood Risk Assessment Mapping
CH	Cultural Heritage
CH <sub>4</sub>	Methane
CIÉ	Córas Iompair Éireann
CIEEM	Chartered Institute of Ecology and Environmental Management
CIS	Customer Information Service
CME	Chief Mechanical Engineer
CMS	Cable Management System
CNT	Construction Noise Threshold
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> eq	Carbon Dioxide equivalent
COP22	22 <sup>nd</sup> Conference of the Parties (2016 United Nations Climate Change Conference)
COR	Certificate of Registration

Term, Abbreviation or Acronym	Meaning
CPPA	Corporate Power Purchase Agreement
CPO	Compulsory Purchase Order
CRR	Commission for Railway Regulation
CRTN	Calculation of Road Traffic Noise
CSO	Central Statistics Office
CTC	Centralised Traffic Control
CTMP	Construction Traffic Management Plan
CWDP	Construction Waste Demolition Plan
CWR	Continuous Welded Rail
D&B	Design & Build
DANP	Dublin Airport North Portal
DART	Dublin Area Rapid Transit (IÉ's Electrified Network)
DASP	Dublin Airport South Portal
DAU	Development Applications Unit
dB	Decibels (unit, relative loudness of sounds)
DBC	Dublin Boulder Clay
DC	Direct Current
DCAA	Dublin City Archaeological Archive
DCC	Dublin City Council / Dublin City Centre
DCCAE	Department of Communications, Climate Action and the Environment
DCDP	Dublin City Development Plan
DCHG	Department of Culture, Heritage, and the Gaeltacht
DCIHR	Dublin City Industrial Heritage Record
DCU	Dublin City University
DECC	Department of the Environment, Climate and Communications
DEFRA	Department for Environment, Food and Rural Affairs (UK)
DEHLG	Department of Environment, Heritage and Local Government
DFS	Direct Fastening System
DHLGH	Department of Housing, Local Government and Heritage
DHPLG	Department of Housing, Planning and Local Government
DHW	Domestic Hot Water
DL	Demesne
DLRCC	Dun Laoghaire Rathdown County Council
DM	Do Minimum
DMRB	Design Manual for Roads and Bridges
DMU	Diesel Multiple Unit
DMURS	Design Manual for Urban Roads and Streets
DN	Do Nothing
DNO	Distribution Network Operator
DOO	Driver Only Operation
Down track	The track carrying trains travelling away from Dublin
DP	Development Plan

Term, Abbreviation or Acronym	Meaning
DPER	Department of Public Expenditure and Reform
DS	Do Something
DTTAS	Department of Transport, Tourism and Sport
DU	DART Underground
E-Field	Electric Field
EC	European Commission
ECoW	Ecological Clerk of Works
ED	Electoral Division
EEA	European Environment Agency
EFT	Emission Factor Toolkit
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EIS	Environmental Impact Statement
ELF	Extremely Low Frequency
EM	Electromagnetic
EMC	Electromagnetic Compatibility
EMDSB	Essential Main Distribution Switchboard
EMEP	European Monitoring and Evaluation Programme
EMF	Electromagnetic Fields (comprising Electric and Magnetic Fields)
EMI	Electromagnetic Interference
EMP	Environmental Management Plan
EMR	Electromagnetic Radiation / Eastern Midland Region
EMRA	Eastern and Midland Regional Assembly
EM RSES	Eastern and Midland Regional Spatial and Economic Strategy
EMU	Electric Multiple Unit
EOP	Environmental Operating Plan
EPA	Environmental Protection Agency
EPBD	Energy Performance in Buildings Directive
EPD	Environmental Product Declaration
EPO	Emerging Preferred Option
ERM	Eastern Regional Model
ESB	Electricity Supply Board
ESBN	ESB Network
ESD	Effort Sharing Decision
ETCS L1	European Train Control System Level 1
ETS	Emission Trading Scheme
EU	European Union
EV	Electric Vehicle
EWC	European Waste Catalogue
EXEED	Excellence in Energy Efficiency Design (SEAI design certification)
FAT	Factory Acceptance Test
FCC	Fingal County Council

Term, Abbreviation or Acronym	Meaning
FDP	Fingal Development Plan
FLU	Full Length Unit (10 car unit)
FRA	Flood Risk Assessment
FSC	Forest Steward Council
GAA	Gaelic Athletic Association
GAL	Geochemically Appropriate Levels
GDA	Greater Dublin Area
GEIA	Guidelines on carrying out Environmental Impact Assessment
GES	Good Ecological Status
GGBFS	Ground Granulated Blast Furnace Slag
GHG	Greenhouse Gas
GHz	Gigahertz (unit, frequency)
GI	Geotechnical Investigations (Same as Site Investigations)
GigE	Gigabit Ethernet
GIS	Geographic Information System
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GNI	Gas Networks Ireland
GP	General Purpose
GRC	Glassfiber Reinforced Concrete
GRP	Glass Reinforced Plastic
GSI	Geological Survey of Ireland
GSM	Global System for Mobile communications (originally from the French: Groupe Spécial Mobile)
GSM-R	As above, GSM – Railway
GSWR	Great Southern & Western Railway
GTC	Ground Transportation Centre
GUI	Graphical User Interface
GWB	Groundwater Body
GWDTE	Groundwater Dependent Terrestrial Ecosystems
GWP	Global Warming Potential
ha	Hectare
HABD	Hot Axle Box Detector
HDPE	High Density Polyethylene
HDV	Heavy Duty Vehicle
HGV	Heavy Goods Vehicle
HLU	Half Length Unit (5 car unit)
HP	Haase and Pratschke
hr	Hour
HSA	Health and Safety Authority
HSE	Health Service Executive
HV	High Voltage
HVAC	Heating, Ventilation, Air Conditioning

Term, Abbreviation or Acronym	Meaning
I-WeBS	Irish Wetland Bird Survey Site Inventory
IAMS	Infrastructure Asset Management System
IAS	Invasive Alien Species
IAQM	Institute of Air Quality Management (UK)
IARC	International Agency for Research on Cancer
IBA	Important Bird Area
IBJ	Insulated Block Joints
ICNIRP	International Commission on Non-Ionising Radiation Protection
ICPSS	Irish Coastal Protection Strategy Study
ICWWS	Irish Coastal Wave and Water Level Modelling Survey
IDOM	IDOM Consulting Engineers, Multi-Disciplinary Consultant
IÉ/IR	Iarnród Éireann/Irish Rail
IEMA	Institute of Environmental Management & Assessment
IFI	Inland Fisheries Ireland
IGI	Institute of Geologists of Ireland
IH	Industrial Heritage
IIP	Integrated Implementation Plan
Impact / Effect	A change resulting from the implementation of a project (defined by Guidelines on the information to be contained in Environmental Impact Assessment Reports)
INDC	Intended Nationally Determined Contributions
IPCC	Intergovernmental Panel on Climate Change
IPH	Institute of Public Health
IRCC	Irish Rail Control Centre
IRP	Incident Response Plan
ISO	International Standards Organisation
ITIC	Irish Tourist Industry Confederation
IW	Irish Water
IXL	Interlockings
JTC	Junction Turning Count
KCC	Kildare County Council
KCDP	Kildare County Development Plan
KER	Key Ecological Receptor
km	Kilometre (unit, length)
KPI	Key Performance Indicator
Kt CO <sub>2</sub> eq	Kiloton Carbon Dioxide Equivalent
kV	Kilovolt (unit, electric potential)
LA	Local Authority
L <sub>A10</sub>	Sound level exceeded for 10% of sample period
L <sub>A90</sub>	Sound level exceeded for 90% of sample period
L <sub>Aeq,16hr</sub>	Daytime ambient noise level between 07:00hrs and 23:00hrs
L <sub>Aeq,T</sub>	Equivalent continuous sound level
L <sub>AFmax</sub>	Instantaneous maximum sound level measured during sample period

Term, Abbreviation or Acronym	Meaning
L <sub>Amin</sub>	Instantaneous minimum sound level measured during sample period
LAM	Local Area Model
LAP	Local Area Plan
LAQM	Local Air Quality Management
L <sub>A,r,T</sub>	A-weighted sound pressure level of an industrial noise
LAWCO	Local Authority Waters and Communities Office
LCA	Landscape Character Area
LCT	Landscape Character Type
L <sub>day</sub>	A-weighted long-term average sound level over all day periods of a year
L <sub>den</sub>	24 hour noise rating level
L <sub>evening</sub>	A-weighted long-term average sound level over all evening periods of a year
LGV	Light Goods Vehicle
LIARI	Late Iron Age and Roman Ireland
LILO	Left In Left Out
LINACs	Linear Accelerators
LMA	Lands Made Available
L <sub>night</sub>	A-weighted long-term average sound level over all night periods of a year
LOC	Location Cabinet / Location Case
LOD	Limits of Deviation
LV	Low Voltage
μT	micro-Tesla (unit, magnetic field strength / magnetic flux density)
M-Field	Magnetic Field
m	Metre (unit, length)
MADs	Major Accidents and Disasters
MASP	Metropolitan Area Strategic Plan
MCA	Multi-Criteria Analysis
MCC	Meath County Council
MCD	Medium Combustion Directive
MCDP	Meath County Development Plan
MDB	Main Distribution Board
MDC	Multi-Disciplinary Consultant (i.e. IDOM)
MEP	Multiple Equipment Provisioning OR Mechanical, Electrical and Plumbing
MGWR	Midlands Great Western Railway
MHLGH	Minister for Housing, Local Government and Heritage
min	Minute
MMP	Mobility Management Plan
MOS	Motorised Lineside Switches
MPLS-TP	Multiprotocol Label Switching – Transport Profile
MRFS	Mid-Range Future Scenario
MRI	Magnetic Resonance Imaging
MSDC	Main Storage and Distribution Centre
Mt CO <sub>2</sub> eq	Megaton Carbon Dioxide Equivalent



Term, Abbreviation or Acronym	Meaning
MV	Medium Voltage
MW	Megawatt (unit, power)
N <sub>2</sub> O	Nitrous Oxide
NAF	National Adaptation Framework
NAPSI	National Action Plan for Social Inclusion
NBAP	National Biodiversity Action Plan
NBDC	National Biodiversity Data Centre
NCM	National Cycle Manual
NDC	North Dublin Corporate
NDFM	National Demand Forecasting Model
NDP	National Development Plan (2018–2027)
NECD	National Emissions Ceiling Directive
NH <sub>3</sub>	Ammonia
NHA	Natural Heritage Area
NI	Noise Insulation
NIAH	National Inventory of Architectural Heritage
NIFTI	National Investment Framework for Transport in Ireland
NIS	Natura Impact Statement
NMI	National Museum of Ireland
NMR	Nuclear Magnetic Resonance
NMS	National Monuments Service
NMT	Noise Monitoring Terminals
NMU	Non-Motorised Users/Units
NMVOC	Non-Methane Volatile Organic Compounds
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Nitrogen Oxide
NPF	National Planning Framework
NPWS	National Parks & Wildlife Service
NRA	National Roads Authority
NSL	Noise Sensitive Location
NSO	National Strategic Outcomes
NTA	National Transport Authority
NTCC	National Train Control Centre
nZEB	Nearly Zero Energy Building
O&M	Operation & Maintenance
OB	Overbridge
OCC	Operational Control Centre
OCR	Overhead Conductor Rail
OCS	Overhead Contact System
OD	Ordnance Datum
ODF	Optical Distribution Frame
ODMH	Ordnance Datum Malin Head

Term, Abbreviation or Acronym	Meaning
OEOP	Outline Environmental Operating Plan
OH	Overhead
OHLE	Overhead Line Equipment/Electrification
OPEX	Operating Expenses
OPW	Office of Public Works
OS	Ordnance Survey
OSD	Over Station Development
OSI	Ordnance Survey Ireland
OSR	Option Selection Report
P&S	Points & Switches
PA	Public Address
PAC	Pre-Application Consultation
PAHs	Polycyclic Aromatic Hydrocarbons
Pb	Lead
PC	Process Contribution / Public Consultation
PC1	Public Consultation No.1
PC2	Public Consultation No.2
PCBs	Polychlorinated Biphenyls
PCU	Passenger Car Unit
PEC	Predicted Environmental Concentration
PEFC	Programme for the Endorsement of Forest Certification
pFRA	Preliminary Flood Risk Assessment
PG	Practical Guidance
PHCC	Point Heating Control Cubicle
PICO	Post Installation Check-Out
PID	Passenger Information Display
PLUTO	Planning Land Use and Transport Outlook 2040
PM	Particulate Matter
PM <sub>2.5</sub>	Fine Particulate Matter (aerodynamic diameter < 2.5 microns)
PM <sub>10</sub>	Particulate Matter (aerodynamic diameter < 10 microns)
pNHA	Proposed Natural Heritage Area
POSR	Preliminary Option Selection Report
PPE	Personal Protective Equipment
PPS	Proposed Protected Structure
PPT	Phoenix Park Tunnel
PPV	Peak Particle Velocity
PRAI	Property Registration Authority of Ireland
PSCS	Project Supervisor Construction Stage
PSDP	Project Supervisor Design Process
PSP	Principal Supply Point
PT	Public Transport
PV	Photovoltaic

Term, Abbreviation or Acronym	Meaning
PW	Permanent Way
PWS	Public Well Sources
QBC	Quality Bus Corridor
RAM	Reliability, Availability and Maintainability
RBMP	River Basin Management Plan
RC	Reinforced Concrete
RCUG	Royal Canal Urban Greenway
REB	Relocatable Equipment Building
RED	Radio Equipment Directive
RER	Renewable Energy Ratio
RF	Radiofrequency
RMP	Record of Monuments and Places
RMSE	Root Mean Square Error
RO	Railway Order
ROD	Roughan & O'Donovan
RPA	Root Protection Area
RPG	Regional Planning Guidelines
RPS	Record of Protected Structures
RRV	Road Rail Vehicles
RS	Rolling Stock
RSA	Road Safety Authority
RSES	Regional Spatial and Economic Strategy
RTP	Rural Transport Programme
RVM	Railway Verge Mosaic
RVTM	Requirements Verification and Traceability Matrix
R <sub>w</sub>	Weighted Sound Reduction Index
S4UL	Suitable for Use Level
SAC	Special Area of Conservation
SCADA	Supervisory Control And Data Acquisition
SDCC	South Dublin County Council
SDG	Sustainable Development Goal
SDRA	Strategic Development and Regeneration Area
SDZ	Strategic Development Zone
SEAI	Sustainable Energy Authority Ireland
SEB	Signalling Equipment Building
SECP	Sediment and Erosion Control Plan
SEM	Scanning Electron Microscope / Site Environmental Manager
SER	Signalling Equipment Room
SET	Signalling, Electrical, Telecommunication
SFRA	Strategic Flood Risk Assessment
SHD	Strategic Housing Development
SIFLT	Strategic Investment Framework for Land Transport

Term, Abbreviation or Acronym	Meaning
SMCP	Stakeholder Management and Communication Plan
SMR	Sites and Monuments Record
SO <sub>2</sub>	Sulphur Dioxide
SP	Security Purpose
SPA	Special Protection Area / Source Protection Area
SPL	Sound Pressure Level
SPMT	Self-Propelled Modular Transport
SRF	Soil Recovery Facilities
SRL	Single-Reflex Lens
SSFRA	Site-Specific Flood Risk Assessment
SSSI	Site of Special Scientific Interest
STI	Sound Transmission Index
SUDS	Sustainable Urban Drainage System
SuDS	Sustainable Drainage System
SURGE	Dublin Soil Urban Geochemistry Project
T&C	Testing and Commissioning
T	Tesla (unit, magnetic field strength / magnetic flux density)
TB	Townland Boundary
TBM	Tunnel Boring Machine
TBT	Tributyltin
TCA	Townscape Character Assessment
TER	Telecommunication Equipment Room
TG	Technical Guidance
TIA	Traffic Impact Assessment
TII	Transport Infrastructure Ireland
TIIS	Train Infrastructure Interface Specification
TMP	Traffic Management Plan / Transport Modelling Plan
TMS	Traffic Management System
TOD	Transit Oriented Development
TOR	Top of Rail
TPH	Track Paralleling Hut
TPHPD	Trains Per Hour Per Direction
TPO	Tree Preservation Order
TPS	Train Protection System
TPSS	Traction Power Supply
TRH	Temporary Rehousing
TSAS	Trophic Status Assessment Scheme
TSM	Traffic Signs Manual
TSR	Temporary Speed Reduction
TSS	Train Service Specification
TTA	Traffic and Transport Assessment
TTS	Train Technical Specification

Term, Abbreviation or Acronym	Meaning
U/D	Up/Down
UIC	International Union of Railways (Union Internationale des Chemins de fer)
UKAS	United Kingdom Accreditation Service
UKHA	United Kingdom Highways Agency
UN/ISDR	United Nations/ International Strategy for Disaster Reduction
UNECE	United Nations Economic Commission for Europe
UNEP	United Nations Environment Program
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNFCCC	United Nations Framework Convention on Climate Change
Up track	The track carrying trains travelling towards Dublin
UPS	Uninterrupted Power Supply
USEPA	United States Environmental Protection Agency
UWF	Underframe Wheel Lathe
V&V	Verification and Validation
V/m or kV/m	Volts per metre, or kiloVolts per metre (unit, electric field measurement)
V	Volt (unit, electric potential)
VDI	Verein Deutscher Ingenieure (Association of German Engineers)
VDV	Vibration Dose Value
VOC	Volatile Organic Compound
VOIP	Voice Over Internet Protocol
VRDP	Visual Representation of Development Proposals
W	Watt (unit, power)
WAC	Waste Acceptance Criteria
WFD	Water Framework Directive
WHO	World Health Organisation
WII	Wetland of International Importance
WMC	Waste Management Co-Ordinator
Yd	Yard (unit, length)
ZAP	Zone of Archaeological Potential
ZoI	Zone of Influence
ZON	Zone of (Archaeological) Notification