In Parliament – Session 2022 - 2023



# High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

**Glossary**, abbreviations and references

**Q9** 

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# High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Glossary, abbreviations and references



High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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# **1 Glossary**

This section includes new terms, relevant to the Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES), which were not contained in the Glossary of terms, list of abbreviations and references published as part of the High Speed Rail (Crewe – Manchester) Environmental Statement (the 'main ES'<sup>1</sup>) in January 2022. This document should be read in conjunction with the main ES Glossary of terms, list of abbreviations and references.

Term	Definition
Additional Provision 1 (AP1) amendments	Changes to the original scheme reported in the AP1 ES that involve the acquisition or use of land outside the original limits of the Bill, additional access rights or other extensions of the powers included in the Bill.
Additional Provision 1 Environmental Statement (AP1 ES)	A set of reports that describes whether and how the works associated with AP1 give rise to new or different significant environmental effects to those already described in the main ES.
Additional Provision 1 (AP1) revised scheme	The original scheme as amended by the SES1 changes and AP1 amendments.
blue light route	A route used by emergency services vehicles.
carr	Fen woodland or scrub that is typically dominated by alder or willow species.
fen	A low and marshy or frequently flooded area of land.
flush	An area where water from underground flows out onto the surface to create an area of saturated ground.
GEH	GEH (please see Section 2.1 for abbreviation definition), or the GEH statistic, is a formula used in traffic engineering, traffic forecasting, and traffic modelling to compare two sets of traffic volumes.
heifer	A cow that has not borne a calf
horizontal fan	Fans used in tunnels to optimise the vertical configuration of vent shafts.
hydraulic gradient	The slope of the water table between two or more points.
mere	A shallow lake, pond or wetland.
mesotrophic	A body of water with a moderate amount of dissolved nutrients.
mire	A wetland area or ecosystem based on peat.
oligotrophic	A body of water (usually a lake) poor in the abundance of nutrients, with high percentages of oxygen.

<sup>&</sup>lt;sup>1</sup> High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement*. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement</u>.

#### Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Glossary, abbreviations and references

Term	Definition
original scheme	The Bill scheme submitted to Parliament in January 2022, which was assessed in the main ES. Changes made through the SES1 and AP1 ES do not change the principle of the original scheme in terms of provision of a route between Crewe and Manchester nor the essential components of the construction and operation of that scheme.
site-fabric	A general term used to describe land and/or permanent structures present within a designated site boundary which are not, and never have been, part of the special interest of a site, nor do they contribute towards supporting a special interest feature of a site in any way, but which have been unavoidably included within a boundary for convenience or practical reasons. Areas of site-fabric will be deliberately excluded from condition assessment and will not be expected to make a contribution to the achievement of conservation objectives.
sonic boom	Sonic boom is a sound associated with shock waves created when an object travels through air faster than the speed of sound.
Supplementary Environmental Statement 1 (SES1)	<ul> <li>The SES1 provides additional information to that provided within the main ES. This additional information includes:</li> <li>new and updated environmental baseline information;</li> <li>changes to the design of the scheme that do not require amendments to the Bill powers and changes to construction assumptions and programme; and</li> <li>corrections to information in the main ES.</li> </ul>
Supplementary Environmental Statement 1 (SES1) changes	All changes reported in the SES1 that do not require additional powers in the Bill. This may include new baseline information, changes to design and construction assumptions, and corrections.
Supplementary Environmental Statement 1 (SES1) design changes	Changes to the scheme design reported in the SES1 that do not require additional powers in the Bill.
Supplementary Environmental Statement 1 (SES1) scheme	The original scheme with the changes described in the SES1 that are within the existing powers of the Bill.

# 2 Abbreviations

This section includes new abbreviations, relevant to the SES1 and AP1 ES, which were not contained in the Glossary of terms, list of abbreviations and references published as part of the main ES in January 2022. This document should be read in conjunction with the main ES Glossary of terms, list of abbreviations and references.

## 2.1 Symbols and units of measurement

Abbreviation	Meaning
k eq/ha/yr	kiloequivalent per hectare per year
kgN/ha/yr	kilograms of nitrogen per hectare per year
mg L <sup>-1</sup>	milligrams per litre

## 2.2 Acronyms and initialisms

Abbreviation	Meaning
AC	Alternating current
AP1 ES	Additional Provision 1 Environmental Statement
ATD	articulated dump truck
BRE	Building Research Establishment Ltd
C&D	construction and demolition
C&I	commercial and industrial
СНААР	Crewe Hub Area Action Plan
CJEU	Court of Justice of the European Union
СР	cathodic protection
FBT	Farm Business Tenancy
FCT	favourable conditions table
FIA	farm impact assessment
FISH	Forum on Information Standards in Archaeology
GEH	Geoffrey E. Havers (please see glossary definition for 'GEH')
HEWRAT	Highways England water risk assessment tool
IAT	impact assessment table
ICNIRP	International Commission on Non-Ionizing Radiation Protection
IRP	Integrated Rail Plan
JTC	junction turning count
LMVR	Local Model Validation Report
LRN	local road network
MHCLG	Ministry of Housing, Communities and Local Government
MPR	Model Performance Report
NGR	national grid reference

#### Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Glossary, abbreviations and references

Abbreviation	Meaning
NHLC	National Historic Landscape Characterisation
PPM	pence per mile
РРК	pence per kilometre
RFC	ratio of flow to capacity
RNAG	reason for not achieving good status
RRAP	road rail access point
SADPD	Site Allocations and Development Policies Document
SIP	site improvement plan
SSEW	Soil Survey of England and Wales
TAG	transport analysis guidance
UCR	Union Connectivity Review

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This section includes all references from the Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES).

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