

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement and
Additional Provision 2 Environmental Statement

Volume 1 | Glossary of terms

July 2015

SES and AP2 ES 3.1.2



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Department for Transport

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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Glossary of terms and list of abbreviations

The terms and abbreviations contained within this document should be read in conjunction with the glossary of terms and list of abbreviations document published as part of the main Environmental Statement (ES) in November 2013 and the Glossary of terms and list of abbreviations document published as part of the Additional Provision (AP) ES in September 2014.

Term	Definition
accommodation bridge	A bridge over the route of the scheme that serves an area of land or residential property and is not considered a public highway.
Additional Provision 2 (AP2)	The High Speed Rail (London-West Midlands) Bill deposited in Parliament on 25 November 2013 provides powers for the construction and operation of Phase One of High Speed Two (HS2) (the 'scheme'). The Additional Provision 2 covers changes which involve the acquisition or use of land outside of the original limits of the Bill, additional access rights, or other extensions of the powers conferred by the Bill. This relates specifically to: amendments to the scheme design within community forum areas 4-7 and 9-26. It also relates to amendments within a number of off-route locations (i.e. locations outside a community forum area), including Langley, where the Heathrow Express depot is proposed to be relocated.
Additional Provision 2 Environmental Statement (AP2 ES)	A set of reports that describe whether and how the works associated with the Additional Provision 2 give rise to new or different significant effects to those already described in the main ES (November 2013) and the AP ES (September 2014).
archaeological anomaly	A location identified during a geophysical survey that indicates the presence/possible presence of an archaeological feature or features.
archaeological potential	A location where the data collected and reviewed indicates that archaeological assets may be present.
baseline	The current condition of the environment is known as the 'environmental baseline'. This is used as the basis to determine whether or not the scheme will result in significant environmental effects for each environmental topic addressed in the ES.
bipolar anomaly	An anomaly that is composed of both a positive response and a negative response identified during a geophysical survey. It can be made up of any number of positive responses and negative responses. For example a buried pipeline consisting of alternating positive and negative anomalies is said to be bipolar.
dipolar anomaly	A single positive anomaly with an associated negative response identified during a geophysical survey. There should be no separation between the two polarities of response. These responses will be created by a single feature. A very strong anomaly is likely to be caused by a ferrous object.
Euro VI engines	Engines certified to have substantially lower emissions of NO _x and particulate matter than older engines. (Euro VI as defined by EU Directive 2007/46/EC, and amended by subsequent regulations).
ferrous anomaly	A response obtained from geophysical survey that indicates the presence of ferrous (iron based) material that may result from items within the topsoil or larger buried objects such as pipes. Pylons or metal fences can also produce a similar response.

Term	Definition
geophysical survey	The collection of information associated with subsurface features (e.g. buried archaeology) using various techniques (such as magnetometer- a survey technique used to detect and map changes in the earth's magnetic field caused by concentrations of ferrous-based minerals within soils and subsoil, and buried materials). They enable the identification and survey of subsurface features without having to excavate.
The High Speed Rail (London - West Midlands) Bill Select Committee ('the Select Committee')	<p>The Select Committee on the High Speed Rail (London - West Midlands) Bill was appointed by the House of Commons on 29 April 2014 after the Second Reading of the Bill on 28 April 2014.</p> <p>The committee provides individuals and bodies directly and specially affected by the Bill with the opportunity to object to the Bill's specific provisions and to seek its amendment, although not to object to the principle of the Bill.</p>
hyperspectral survey	A survey that utilises sensors that detect wavelengths of the electromagnetic spectrum that are not visible to the human eye. They are used in archaeological surveys to detect features within the historic landscape (e.g. field systems) that cannot be detected in visible wavelengths.
metapopulation	A group of spatially separated populations of the same species which interact at some level.
negative anomaly	A response identified during a geophysical survey which is entirely negative in polarity. These can be caused by, for example, earthen banks where material with a lower magnetic magnitude relative to the background topsoil is built up.
on-network	Refers to the existing rail network. For example, where modifications are required to the West Coast Main Line, these are referred to as 'on-network' modifications.
polarity	Term used to describe the measurement of the magnetic response identified during a geophysical survey. An anomaly can have a positive or negative polarity.
Select Committee	See ' The High Speed Rail (London - West Midlands) Bill Select Committee'.
stockpile	An area where materials excavated during construction of the scheme will be stored temporarily before being reused, or where construction plant and machinery associated with the scheme is stored.
siding	A section of railway forming a branch off the main railway line. A siding can be used to store a train, or to allow trains to reverse and enter the main railway line running in the opposite direction from which they entered the siding.
Supplementary Environmental Statement	<p>The Supplementary Environmental Statement provides additional information to that provided within the main ES. This additional information relates to:</p> <ul style="list-style-type: none"> - new and updated environmental baseline information for some of the environmental topics (e.g. ecology); - changes to the design of the scheme that do not require amendments to the Bill powers and changes to construction assumptions; and - corrections to information in the main ES.
turnback	A facility that allows a train to reverse. A turnback can be a crossover on the main railway line, or a reversing siding, which branches off the main railway line.
turning head	An area of road to allow vehicles to turn back where temporary and permanent road closures as part of the construction and operation of the scheme has created dead ends.

Term	Definition
Water Framework Directive surveys	A survey of surface water and groundwater bodies to establish their current condition or 'status or potential' as per the Water Framework Directive (WFD).
Western Rail Access to Heathrow	A proposed new rail link that will connect Heathrow Terminal 5 to the Great Western Main Line east of Langley, near Slough. The new rail link will require approximately 4km of new tunnel between Langley and Heathrow Terminal 5.

Abbreviation/acronym	Meaning
AP ₁ ES	Previously known as the AP ES
AP ₂	Additional Provision 2
AP ₂ ES	Additional Provision 2 Environmental Statement
P/A	presence/absence
PLM	persons with limited mobility
PSC	population size class
HEOC	Heathrow Express Operating Company
SES	Supplementary Environmental Statement
SBC	Slough Borough Council
SBDC	South Bucks District Council
WRAtH	Western Rail Access to Heathrow

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