

## Terminology

### ANTI-CLIMBING DEVICE

Guards fitted to all steel towers as a deterrent to unauthorized climbing.

### AGI

Above ground installation – for gas equipment.

### ANGLE/DEVIATION TOWER

Tower where a horizontal insulator string attaches the conductors. Deviation or ‘angle’ towers are used at points where the overhead line route changes direction.

### BOREHOLE SURVEY

Used to determine soil and ground suitability for directional drilling and tower foundations.

### BULK TRANSPORTATION SYSTEM

National high pressure cross-country gas pipelines up to 48 inches in diameter.

### CABLE

An insulated conductor designed for underground electricity transmission or distribution.

### CABLE RESERVE

The corridor (swathe) of land within which underground cables are laid in the ground.

### CLA

Country Land and Business Association.

### CONDITION ASSESSMENT

Visit to tower to make assessment of all parts for future maintenance programmes.

### CONSENT LETTER

A pre-entry agreement prior to completion of the legal Deed of Grant. The form contains details of the pipeline specification, payment due and is accompanied by a plan of the proposed route. The Consent Form also permits access to land for construction.

### CUT-OFF DRAINAGE

Cut-off drainage is designed to ensure those existing drainage systems outside the pipeline or underground cable working strip function properly during the construction period.

### DEED OF GRANT OF EASEMENT/ DEED OF SERVITUDE (IN SCOTLAND)

A legal right in perpetuity granting National Grid the right to install, use and maintain its equipment. An easement is granted in exchange for a one-off capital payment. The legal right is granted by formal documentation.

### EARTH WIRE

Wire strung between the tops of towers used for lightning and system protection. May also be used to carry telecommunications signals.

### EASEMENT PAYMENT

For pipelines and cables this is calculated on a ‘per metre run’ basis, related to the value of the affected land and the width of the easement required. For overhead lines, this is by multiplier of the annual wayleave payment.

### EASEMENT STRIP

Area covered by easement agreement.

### ELECTRICAL SAFETY CLEARANCES

Specified minimum safety clearances that must be maintained between overhead lines, the ground, buildings, roads and railways etc.

### ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

A statutory procedure for undertaking an assessment of a project’s likely significant environmental effects.

### ENVIRONMENTAL STATEMENT

A statement describing the likely significant effects of development on the environment and proposed mitigation measures.

### FARMERS’ OPEN MEETING

An informal meeting where National Grid and its main contractor inform all affected owners and occupiers about the proposals and answer any questions or concerns raised.

## GRANTOR

An owner or occupier of land where National Grid transmission equipment is sited.

## GRANTOR CODE

Unique identification number for each grantor in the National Grid grantor records and payments system.

## HIGH PRESSURE PIPELINE

A pipeline operating at above 7 bar or approximately 102 psi.

## INSULATORS

Used to attach the conductors to the towers, preventing electrical discharge to the steel work.

## INJURIOUS AFFECTION

Devaluation of property caused by presence of apparatus.

## LETTER OF UNDERTAKING

Statement of commitment to landowners where high pressure gas pipelines are to be installed. Explains what we will do before, during and after the construction of the pipeline.

## LINE PATROL

A team who carry out visual inspections of an overhead line which can be done on foot or by helicopter to check tower structures, insulators, fittings and tree growth etc. in the vicinity of the overhead line. Helicopters may hover near the tower for 5 to 10 minutes.

## NFU / NFUS / FUW

National Farmers' Union / National Farmers' Union of Scotland / Farmers' Union of Wales.

## (OVERHEAD) CONDUCTORS

Metallic wires strung from tower to tower to carry the electronic current.

## OVERHEAD LINE REFURBISHMENT

Repair and renewal of conductors, earthwire, fittings and insulators and, where necessary, remedial works to the pylon and foundations.

## PRE-SANCTION ENGINEERING WORKS

Surveys to assess work needed.

## PROPERTY PLATE

Identity plate on tower giving tower number and emergency telephone number.

## PYLON/TOWER

Overhead line structure used to carry overhead electrical conductors, insulators and fittings. They are commonly known as pylons and are of a lattice steel construction.

## RECORD OF CONDITION

Document detailing land condition before works begin.

## REFERENCING

The gathering of information relating to land ownership and tenancies along the route of the pipeline corridor.

## RUNNING TRACK

Land immediately adjacent to the pipeline trench contained within the working width for the use of vehicles required during construction.

## SRPBA

Scottish Rural Property and Business Association.

## SEALING-END COMPOUND

High voltage sealing-ends installed in large compounds of about half an acre containing terminal towers and other equipment. They are required where underground cables are connected to overhead lines.

## SPAN

The distance from one tower to the next.

## SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)

SSSIs are the country's very best wildlife and geological sites.

## SUBSTATIONS

Transforming or switching stations to control the voltage and direction of electricity.

## SUSPENSION TOWER

Tower where conductors are suspended by a vertical insulator string. Suspension towers support the conductors on straight stretches of overhead line.

## TERMINAL TOWER

Towers erected at the end of the overhead line to terminate the line at substations or where overhead lines are connected to underground cables. Because of the uneven load on one side of the tower, much deeper and heavier foundations are required on the unloaded side.

## TOWER PAINTING

Application of a protective coating to tower steel work, generally by brush, to protect from weathering and corrosion.

## TRANSMISSION LINE

A National Grid overhead line which transmits electricity between National Grid's substations.

## WAYLEAVE AGREEMENT

A licence granted by the owner and occupier of land giving National Grid the right to install, use and maintain its equipment. Terms of the Wayleave Agreement provide for the annual rental and compensation payments to be made.

## WORKING STRIP

The temporary area required to facilitate the construction of a pipeline. These are generally twice the width of the easement rights strip.