

# Network Planning Information Sheet



## Pylons and overhead lines

### Relevant Building and Planning Regulations

Adapted from:

1. 'The Electricity Safety, Quality and Continuity Regulations 2002' ([www.legislation.gov.uk](http://www.legislation.gov.uk))
2. Development near Overhead Lines - National Grid 2008
3. [www.hse.gov.uk/electricity/information/overhead.htm](http://www.hse.gov.uk/electricity/information/overhead.htm)

### Things to consider when planning your network:

- No overhead line shall come close to any building - the HSE state that it's necessary to: 'Plan and manage work near electric overhead power lines so that risks from accidental contact or close proximity to the lines are adequately controlled... Safety precautions will depend on the nature of the work and will be essential even when work near the line is of short duration. ....Information will be available from the local electricity supplier or Distribution Network Operator (DNO). If any overhead lines are found, you should assume that they are live unless proved otherwise by their owners.'
- The height above ground of any wire or cable which is attached to a support carrying any overhead line shall not be less than 5.8 metres at any point where it is over a road accessible to vehicular traffic.
- No overhead line shall come close to any tree.
- No overhead line shall come close to any structure as to cause danger.
- Pylons should be fitted with devices to prevent, so far as is reasonably practicable, any unauthorised person from reaching a position at which any such line would be a source of danger.
- Consider the visual effect of the pylons and the number of people effected.
- Noise can be produced from Pylons known as 'corona discharge' - a 'crackling' sound.

## Extension Task

Investigate what is meant by creep. Use the values associated with creep to identify any changes this causes to network planning.

