

Cornerstone Community Information Sheet

Upgrades and height increases

Base stations use radio signals to connect mobile devices and phones to the network. They are needed in areas where people work and live to ensure that they can access digital services, keep in contact with friends, family and work colleagues as well as new connectivity solutions such as Internet of Things. Without ongoing improvements to connectivity which includes measures such as upgrading existing base stations, areas will become digital black spots where lack of connectivity prevents economic development, hinders local services and frustrates efforts to keep vulnerable members of the community healthy and safe.

In addition, over time we may need to upgrade existing mobile phone base stations due to changes in the local environment, a drop in our customer's experience and new technologies. Often, when a site is upgraded we will need to increase the height of the antennas whilst sometimes we may need to build an additional mast to host the additional antennas. There are a number of reasons why an operator may require a height increase or an additional structure. The main ones are described below.

Maintaining existing coverage

When adding a second operator's equipment to an existing base station site we must ensure that the mast can support the additional antennas. As a result, to ensure good coverage, we may need to install an additional mast close to the first development.

Clutter changes

When there has been local property development, or tree lines have changed, mobile signal quality can be reduced. To provide sufficient services to customers height increases on existing masts or additional new masts are required.

For further information please contact:

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