**What is 5G?**

The fifth generation of cellular wireless connectivity.

Unlike 3G, 4G, etc, the term 5G doesn’t refer to a single thing but to a combination of technologies - wireless communications, hardware and software - that together offer high quality network services.

**Why is 5G interesting?**

5G brings three new aspects to the table:

* Greater speed (to move more data)
* Less delay (to be more responsive)
* The ability to connect a lot more devices at once (for example sensors)

[Watch this short video to find out more.](https://www.youtube.com/watch?v=vSsyKKykJ0I)

**Where are you planning trials?**

* On a small number of remote Dorset farms. They have yet to be chosen
* At Dorset Innovation Park, Winfrith
* On the Lulworth Estate
* Along the Dorset coast. The areas have yet to be chosen

[Read more about our plans.](https://news.dorsetforyou.gov.uk/digital-first/2019/10/26/rural-dorset-seeks-funds-for-5g-testbeds/)

**How much is this costing?**

The trials will cost Dorset taxpayers £150,000. The remainder of the £6.675 million will be funded by Government and industry.

**Is 5G dangerous?**

All trials in Dorset will stay within the approved safety guidelines.

[Read a statement from Public Health England.](https://news.dorsetforyou.gov.uk/2019/07/29/health-concerns-surrounding-5g/)

**Why 5G? I can’t even get 3G or 4G**

Government is funding trials to see if 5G can be rolled out differently and help solve rural challenges. Rural Dorset has won a share of this funding.

5G builds on previous generations of wireless connectivity, so trial areas will also get 4G.

A separate proposed programme between mobile operators and the government will see the big four mobile companies sharing masts and resources to deliver a 4G signal across 95% of the UK landmass by 2025.

This [“Shared Rural Network”](https://www.gov.uk/government/news/1-billion-deal-set-to-solve-poor-mobile-coverage) should mean an end to the vast majority of not-spots (areas where there is no mobile signal) and virtually all partial not-spots (areas with a signal from one or more operators, but not all four).