



## EE Network Factsheet

### Our network today (April 2013)

- EE launched the UK's first 4G mobile network in October 2012
- The EE 4G network now covers 50 towns and cities, and 50% of the population
- By June, the 4G network will have reached 80 towns and cities, and over 55% of the population, making this the fastest technology rollout in the UK
- As of the end of March, EE has 3G technology DC-HSPA covering 75% of the UK population
- The EE 3G network covers 98% of the population; the 2G network over 99%

Our network today let's you do so much more than you ever could with 3G.

- However, we're not stopping there. We are building a network that will enable the next generation of incredible mobile content, applications and services.
- We're building a network that offers the speed of fibre combined with the power of mobility. You haven't seen anything like this.

### Improving speed & capacity

- The move from 2x10MHz to 2x20MHz for 4G means EE is doubling the speeds and capacity of its LTE network
- With its vast spectrum holding, EE could service the entire UK population on 4G, and still offer superfast network speeds

### Spectrum Holdings

- EE holds 36% of the UK spectrum for mobile
- For LTE, that's 5MHz of 800MHz, 45MHz of 1800MHz, and 35MHz of 2.6GHz – a balanced portfolio enabling unparalleled reach – both indoor and outdoor, capacity for years to come, and speeds far higher than any competitors

### The UK spectrum landscape

	EE		Vodafone		O2		H3G		BT	
	MHz	Share	MHz	Share	MHz	Share	MHz	Share	MHz	Share
800	5	17%	10	33%	10	33%	5	17%	0	0%
900	0	0%	17.4	50%	17.4	50%	0	0%	0	0%
1800	45	63%	5.8	8%	5.8	8%	15	21%	0	0%
UMTS	20	33%	15	25%	10	17%	15	25%	0	0%
2.6FDD	35	50%	20	29%	0	0%	0	0%	15	21%
2.6TDD	0	0%	12.5	56%	0	0%	0	0%	10	44%
<b>Total</b>	<b>105</b>	<b>36%</b>	<b>80.7</b>	<b>28%</b>	<b>43.2</b>	<b>15%</b>	<b>35</b>	<b>12%</b>	<b>25</b>	<b>9%</b>

Here's what this will mean...

- We all want HD. And with double-speed 4G you'll be able to download HD movies, on mobile. And upload content you've created yourself, then share it.
- And you can share exactly what you see. Double-speed 4G means no compromise on uploads so you can instantly share high resolution images straight to Flickr or Facebook
- Become a director. With double-speed 4G you can shoot HD video, edit and process in the cloud, and share with friends instantly, all from a mobile
- Mapping can be rendered in HD, and 3D, with instantaneous interactivity as you scroll about a cityscape
- Ultra HD TVs are already here, and 4K movies are planned for 2013 – with double speed 4G, you'll be set to enjoy Ultra HD in the future as comes to mobile
- Need a bigger screen to watch? With double-speed 4G and projectors built into mobiles, you can set up your own personal cinema wherever you are
- Take multiplayer gaming for a walk. Double-speed 4G means ultra-low latency and high bandwidth so you could be playing Call of Duty while you're on the move

What about businesses?

- A truly mobile office. A smartphone, with a laptop and tablet connected by mobile broadband, all on a stable connection, serviced by average speeds around 20Mbps. All the time. With no throttling
- Double-speed 4G unlocks the potential of the cloud and can change the way businesses operate. Instantly view, search and add to your digital content wherever you are – the desktop finally gets mobile
- Streaming an HD video whilst uploading a presentation and speaking on a video conference call over IP, all in real time on mobile

And what about the people who don't work from a desk?

- The London Air Ambulance service is saving lives with the incredible speed of 4G. Really. Massive data files containing all the information on a patient in care are being transmitted to the receiving hospital, live – saving vital minutes
- Construction company Kier is using 4G to set up remote sites in a fraction of the time that a fixed line connection can be installed. And with double-speed 4G, Kier can reduce working time, uploading and downloading higher resolution, more detailed plans and scans
- Double-speed 4G means websites will be able to provide the complete picture of products with richer HD video, hi-res photos and 3D interaction for mobile
- Double-speed 4G will see wearable, connected technology allow field engineers or medics to live stream their view, hands-free and collaborate with office-based colleagues

We don't know what the next killer 4G app is. But we'll be ready for it.