

## LONG TERM EVOLUTION (LTE): NETWORK COMMITMENTS & DEPLOYMENTS

GSMA believes that the **first LTE networks will be rolled out in 2009**, with commercial services available in early 2010, probably in US and Japan, followed by other parts of Asia and Europe.

26 network operators have already committed to deploy 3GPP LTE systems, according to latest report by GSA, the Global mobile Suppliers Association.

LTE is on track, attracting global industry support, with the specifications for LTE almost complete for commercial implementation.

- Verizon Wireless, Vodafone and China Mobile have conducted joint trial activities of LTE, focusing on both FDD & TDD modes.
- AT&T Mobility (apart from Verizon) plans to deploy LTE in 700 MHz in key markets by mid-2011.
- Other operators have also made public announcements supporting the development of LTE technology.

In total, 10 LTE networks are expected to launch commercial services in 2010.

Country	Operator	Anticipated LTE service launch
USA	Verizon	2010
USA	Metro PCS	2010
USA	Century Tel	2010
Sweden	Telia Sonera	2010
Norway	Telia Sonera	2010
Japan	NTT DoCoMo	2010
Japan	KDDI	2010
Canada	Rogers Wireless	2010
Canada	Telus	2010
Canada	Bell Canada	2010
USA	Aircell	2011
USA	Cox	2011
USA	AT&T Mobility	2011
Ireland	Hutchison 3	2011
Germany	T-Mobile	2011
France	Orange	2011
China	China Mobile	2011
China	China Telecom	2011 – 12
New Zealand	Telecom NZ	2011 – 12
Various	Vodafone	Not Known
South Korea	SK Telecom	Not Known
South Korea	KTF	Not Known
Philippines	Piltel	Not Known
Italy	Telecom Italia	Not Known
Hong Kong	SmarTone-Vodafone	Not Known
Australia	Telstra	Not Known

Further, the device manufacturers like Ericsson, Infineon, LG, Qualcomm, Samsung have announced several LTE products to complete LTE eco-system.

ABI Research forecasts “Operators will spend over \$8.6 billion by 2013 on LTE base stations infrastructure.”

“ This is the first time in the world that we have a standard that has spanned the US, Asia and Europe before it is actually widely deployed. **Without a doubt LTE is going to become the dominant global technology for the next generation of mobile broadband.**”

- Bill Huang, China Mobile

Source: GSA, GSMA & COAI Research