Global NB1 and M1 Deployment Plans

**Verizon, AT&T**
Cat M1: Now
Cat NB1: TBA

**Sprint**
Cat M1: Mid-2018 Cat NB1: TBA
Cat 1: Now

**Vodafone, DT, TIM, Telefonica**
Cat NB1: Priority
Cat M1: TBA

**KPN, Orange, Swisscom**
Cat M1: Priority

**Bouygues, Orange, Swisscom, KPN**
LoRa: Now

**AIS**
Cat NB1: TBA

**Singapur M1**
Cat NB1: Priority

**Telstra**
Cat M1: Priority
Cat NB1: TBA after M1

**Optus, Vodafone**
Cat NB1: Priority

**Telus, Bell**
leaning towards deploying both M1 and NB1

**KT, LGU+**
Cat NB1: Priority

**SKT**
LoRa

**KDDI**
Cat NB1: Priority

**SBM**
LoRa + M1/NB1

**NTT**
Cat M1 and NB1

**HiNet, Tstar**
Cat NB1: Priority

**CMCC, CU, CT**
Cat NB1: Priority
Cat 1: Now

**AIS**
Cat NB1: TBA

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Global Leader in Cat M1 / NB1 Module Availability

- First to Receive M1 Approvals in US
- M1 Modules Available in EU
- NB1 Modules Already Tested in EU
- NB1 and M1 Trials Announced Early 2017

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Largest Footprint of Certified Cat M1 and NB1 Modules

Cat M1 Families

- US, EMEA, Japan, Australia
- LGA, 28.2 x 28.2 x 2.2 mm
- Optional 2G Fallback
- Integrated GNSS

NB1 Families

- EMEA, Japan, Australia
- LGA, 28.2 x 28.2 x 2.2 mm
- Integrated GNSS

- EU, China, Korea, Australia
- LGA, 15 x 19 x 2.2 mm

3GPP Release 13 compliant with support for PSM, eDRX, VoLTE (future)
KT launched NB-IoT service in Seoul Apr 2017 and will start nationwide NB-IoT from Jun 2017. LGU+ will launch nationwide NB-IoT based in Aug 2017. SKT has not announced plan for M1 or NB-IoT due to cannibalization with LoRa.
GSMA GLOBAL MOBILE IoT SUMMIT
Moving to Global Deployment

GSMA全球移动物联网峰会
开始全球部署