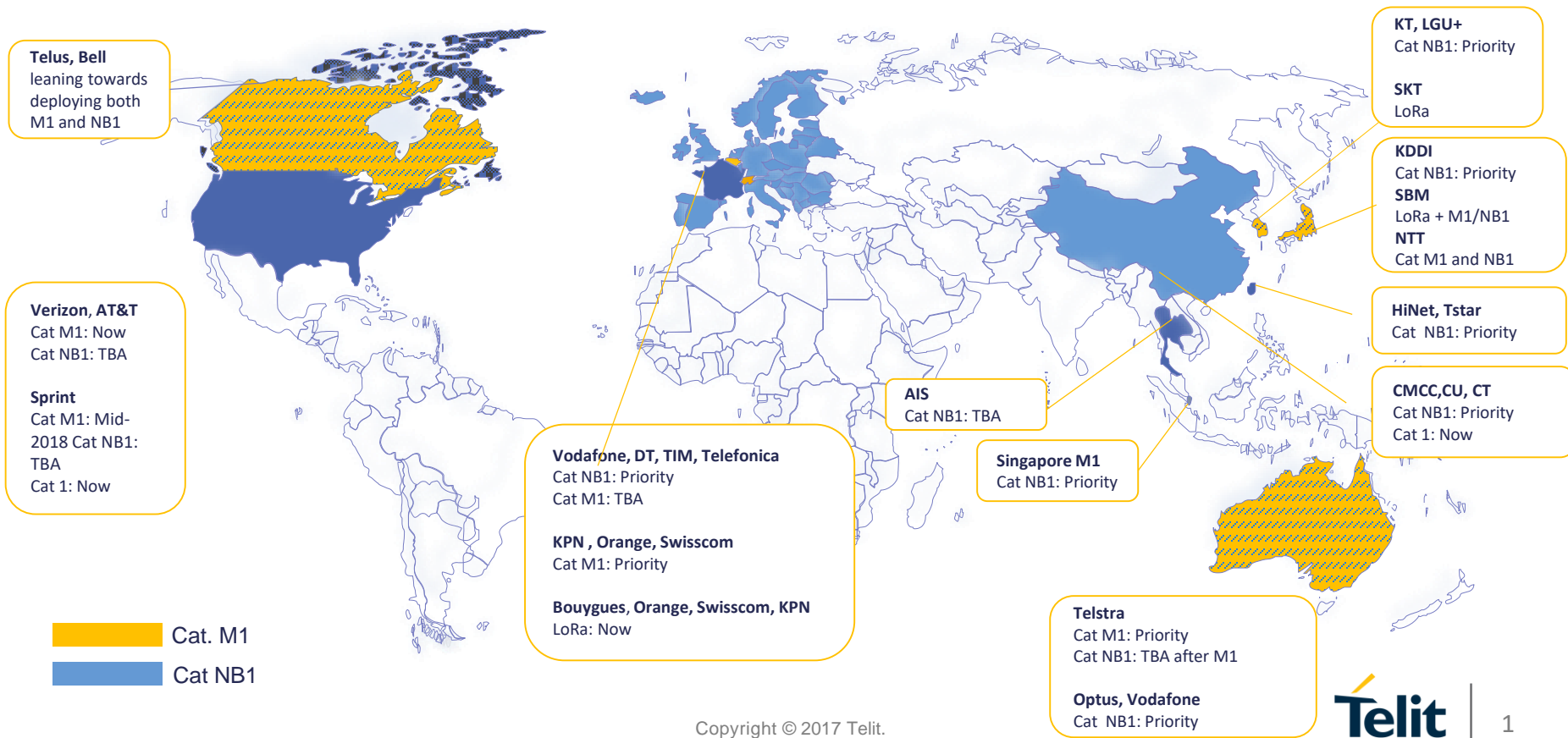


# Global NB1 and M1 Deployment Plans



# Global Leader in Cat M1 / NB1 Module Availability



## IoT MODULES

[Broadest Portfolio]



POSITIONING



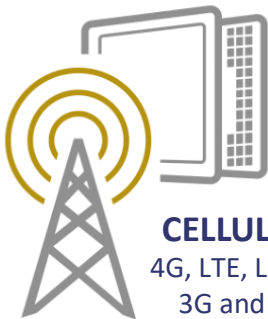
DATA CARDS



AUTOMOTIVE



SHORT-RANGE



**CELLULAR**  
4G, LTE, LPWA,  
3G and 2G

First to Receive M1 Approvals in US

verizon



M1 Modules Available in EU

NB1 Modules Already Tested in EU

ERICSSON  HUAWEI  NOKIA  vodafone  Telefonica

NB1 and M1 Trials Announced Early 2017

# 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



US, Korea, Australia  
LGA, 15 x 25 x 2.2 mm

## NB1 Families



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



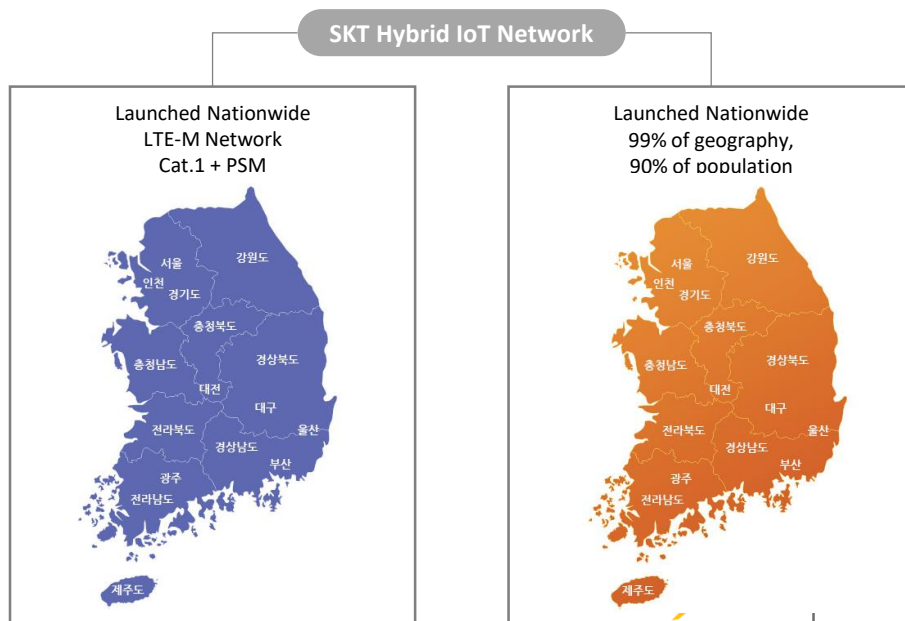
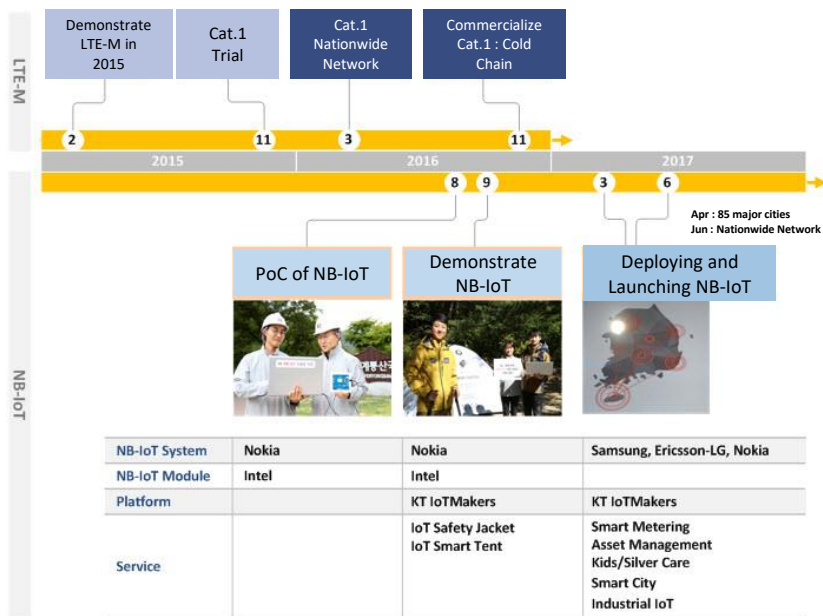
EU, China, Korea, Australia  
LGA, 15 x 19 x 2.2 mm

3GPP Release 13 compliant with support for PSM, eDRX, VoLTE(future)



# Korea NB-IoT & LoRa status update

- 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.





Mobile IoT

# GSMA GLOBAL MOBILE IoT SUMMIT

## Moving to Global Deployment

# GSMA全球移动物联网峰会

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