

sXGP – uLTE in Japan

sXGP – unlicensed LTE for enterprise, Industry MVNO, IOT etc
to reduce the cost of private telecommunication services

What is sXGP?

Private or unlicensed LTE in Japan (uLTE) at present is synonymous with shared Extended Global Platform or sXGP. The Japanese Ministry of Internal Affairs & Communications decided to open up private PHS (personal handy phone service) and migrate the enterprise users to the unlicensed sXGP LTE service. There are 55,000 enterprises with around 5.5 million private enterprise users that will migrate to the sXGP service over the next four years, but of course the service is available to many types of private enterprises including SME, universities, hospitals, banks, military, coffee shops, hotels and local governments – to list but a few of the use cases, whether for private smartphones, IoT, mPOS, M2M etc.

sXGP summary

- LTE B39 / 1.9GHz with 5MHz Bandwidth since Oct 2017.
- Increase to 40MHz Bandwidth likely by Sep 2019.
- Japanese government has intentions to open up spectrum such as 2.6GHz and 3.5GHz to uLTE.
- MCCMNC = 44190 allocated.
- Unlicensed, so anyone can use
- As of Aug 2018, there are now multiple Telec approved eNB & UE vendors to provide RAN access.
- SoftBank/BBB have sponsored/confirmed via a long period of integration testing core EPC (Quortus), eNB (Accuver) to create a private LTE network.
- Migrate 5.5 million existing private PHS subscribers across 55,000 enterprises by 2023
- Open to all types of private industry/enterprise beyond private PHS migration
- sXGP has partnered with the Multefire alliance

Key Participants

- Sponsor – SoftBank/BBB
- PBX Vendors - Fujitsu, NEC, Panasonic, Oki Denki, Hitachi
- MVNO – IJ, JCI, NTT Comm, Rakuten + more
- EPC Vendor: Quortus
- eNB vendors: Accuver

Benefits of uLTE vs WiFi or MNO/MVNO for Enterprise Users

Enterprise have until now been limited to WiFi or Macro for Enterprise until this uLTE evolution. So why should enterprises consider uLTE/sXGP?

- Security – LTE level security, separate WiFi user/password not required.
- Control – Private Networks maintain control over what applications they choose to use or offer
- Privacy – enterprises/hospitals/government/military no longer need to share data, IP, sensitive information via 3rd party N/W
- Cost – uLTE can dramatically reduce costs for enterprise especially for the IoT space
- QoS – There are clear advantages in quality of service and experience over the alternatives
- Data size – from standard LTE to NB-IOT, all supported at the same time.
- Applicable to all types of industry - Offshore, Construction, Hospitals, Universities, Retail, Finance, Public Safety, Free LTE etc.
- Multiple deployment options - Cloud/On Premise, Edge MEC, etc

Business opportunity for solution providers

The appetite for uLTE/Private LTE in Japan cannot be underestimated. The 5.5M Private PHS users/55K Enterprises of all types is only the tip of the iceberg.

Hundreds of thousands of enterprises from SME to large conglomerates wish to address their needs for a cost effective, secure communications network in areas from automotive to agriculture and finance to public sector, offshore to hospitals, hotels, retail, malls, airports and many more.

All of these use cases will require many of the same services that make the Macro network so attractive; Future Proof, Device Management, eSIM, iPBX, PCRF, Lifecycle Management, Messaging/RCS, OTT Apps and many more. An eco-system needs to be developed to make the platform truly competitive for Enterprise.

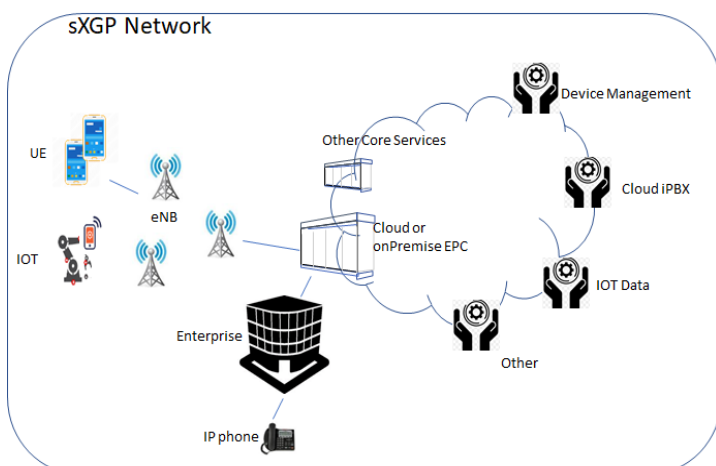
Talk to us today

To find out more about sXGP/uLTE market opportunities in Japan, please contact us at info@jitechnology.com or call +81-80-6786-4469 to speak to us today.

Ref: www.xgpforum.com

Ref: www.jitechnology.com

Ref: www.multefire.org



sXGP – uLTE in Japan

sXGP – unlicensed LTE for enterprise, Industry MVNO, IOT etc
to reduce the cost of private telecommunication services



Hotel
Communications
Cloud PBX / uLTE



Enterprises / on Premise
| Cloud



Offshore / Edge
EPC



Outlet Mall shopping /
mPOS



Universities / Free LTE
/ MEC



Hospitals / private
LTE



Smart City / IOT / M2M



IOT / EDGE



Stadiums / Events / mPOS
/ uLTE



Rural/Remote Network
Extensions



Military / Public Safety /
Tactical



MVNO

Notes:

