

CONSIDERAZIONI CHIAVE PER LA MIGRAZIONE VERSO SERVIZI MISSION-CRITICAL BROADBAND

STANDARDIZZAZIONE
DEVICE MC BROADBAND
PER SERIVIZI PPDR

DISPONIBILITA'
APPARATI MC
BROADBAND PER
SERVIZI PPDR

TEMPI DI ADOZIONE DEGLI UTENTI PER SERVIZIO BROADBAND MISSION CRITICAL GESTIRE LA
MIGRAZIONE A
SERVIZI BROADBAND
MISSION CRITICAL

INTEROPERABILITA'
CERTIFICATA (IOP) IN
UNIN ECOSISTEMA
MULTI VENDOR

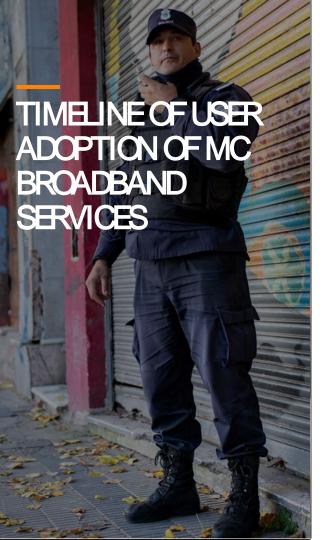
Standardizzazione delle funzionalità mission critical, per raggiungere performance equivalenti ai sistemi radio Implementazione commerciale, disponibilittà spettro PPDR, economia di implementazione ed uso operativo Accettazione da parte degli utenti ed equivalenza con sistemi LMR in scenari operativi mission-critical. Processi,
pianificazione,
discussione con
operatori di reti mobili,
valutazioni legali,
prove e test

Sfruttare gli standard aperti attraverso processi di test di interoperabilità formali; promuovere l'innovazione, evitando il blocco sul singolo fornitore.





"UK OFFICIALS HAVE STATED THAT PUBLIC SAFETY AGENCIES WOULD NOT BE REQUIRED TO ABANDON THE AIRWAVE TETRA NETWORK BY A SPECIFIC DEADLINE"



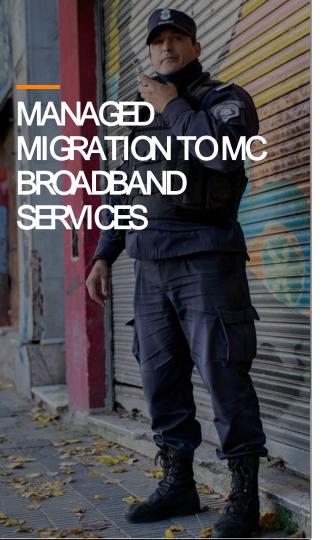
"When the nationwide public safety broadband network launches, it will not replace LMR systems ... Public safety entities will continue to rely on their LMR networks for mission critical voice features – such as Group Communications and Direct-Mode – that are needed in an emergency response setting."

FIRSTNET, USA, 2018

"Adoption of these new technologies, like MCPTT, will occur only when public safety agencies have confidence that the systems will provide true mission critical functionality and local control as well as appropriate coverage and network capacity."

NPTC, PUBLIC SAFETY LMR INTEROPERABILITY WITH LTE MCPTT, 2018





"ASTRID will continue as the communications operator for the public safety services into the future, through to 2025-2030. There will be a gradual changeover from the existing TETRA network to 5G mobile networks"

ASTRID MESSAGE TO USERS AND PARTNERS, OCT 2018

"There will be a significant time period where LMR/PMR/TETRA/P25 and broadband will operate in parallel."

TCCA ROADMAP, 2019

"IHS Markit expects an incremental rollout of ESN which will provide supplemental data...rather than replacing LMR.."

IHS MARKIT, AUG 2018





RELEASE 15 IS THE FIRST 3GPP RELEASE THAT SUPPORTS THE MAJORITY OF CRITICAL PUBLIC SAFETY LMR FEATURES

- First Rel-15 commercial products expected in 2022 timeframe
- Off-network Device-to-Device communication range (based on Rel-13 ProSe) will be significantly less than with LMR (TETRA, P25) due to differences in transmit power levels.*
- To date, there are no commercial offerings of Public Safety Device-to-Device communications based on Rel-13 ProSe



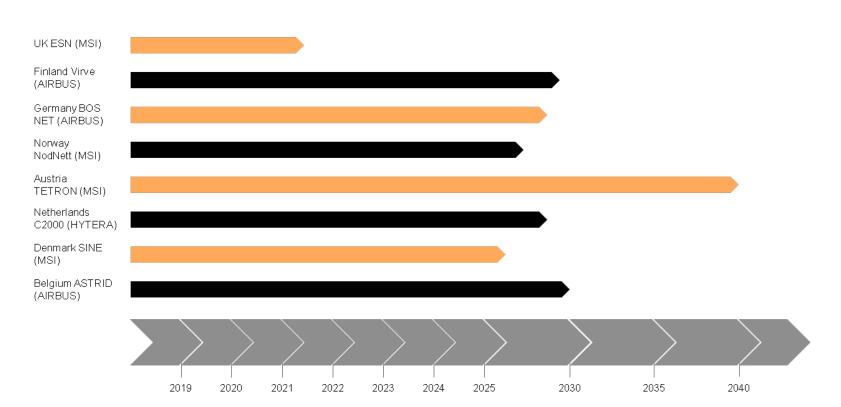
ROBUST IOP FRAMEWORK AND ECOSYSTEM

FORMAL INTEROPERABILITY PROCESSES FOR MISSION CRITICAL PTT OVER BROADBAND ARE YET TO BE DEFINED

- IOP processes are critical to enabling a trusted, open multi-vendor market
- Work is ongoing to define formal IOP processes for MCPTT that match the proven TCCA IOP process for TETRA

CONTINUED INVESTMENT IN TETRA

COMMITTED TO TETRA



MSI VISION READY TODAY & TOMORROW

WAVE application

Your Network. Your Device.

WAVE wireless service

Our Network. Our Device.















