

INTRODUCING

FIRST RESPONDER AUXILIARY NETWORK

From Globalstar & Manx Telecom



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WHAT IS FRAN?

Globalstar & Manx Telecom have partnered to develop the world's first Extended Mobile Network (EMN) communication service. It will be the first integrated network to switch between multiple cellular networks and a DtU (Direct-to-User) mobile satellite network.

Using Globalstar's Low-Earth Orbit satellite constellation, EMN is a BYOD (Bring Your Own Device) solution that will enable users to communicate as normal with their existing devices, such as a smartphone or tablet, but they will benefit from unprecedented ubiquitous nationwide coverage.

With EMN, thanks to Manx Telecom's Smart SIM technology, whenever the signal level starts to fail on one mobile network, network connectivity will be automatically handed over to any other mobile network that is in range. If none are available, connectivity will be conveyed onto the Globalstar satellite system.

One of the first services to be offered by the new partnership is FRAN (First Responder Auxiliary Network). FRAN is intended for all First Responders to continue making and receiving calls even if the cellular networks become unavailable. This will be especially important in a fast developing situation where users that may already be involved in an incident, or are perhaps en-route to an incident and have their network access cut due to network overload, infrastructure damage or pre-emption.

FRAN allows registered personnel to use any standard COTS phone and/or device over any available 2G, 3G or LTE mobile network that's in range. FRAN gives users the freedom to choose which devices and networks they use. This will be a cost-effective solution and will free up the EE network for emergency communications requirements of front-line 3ES officers.

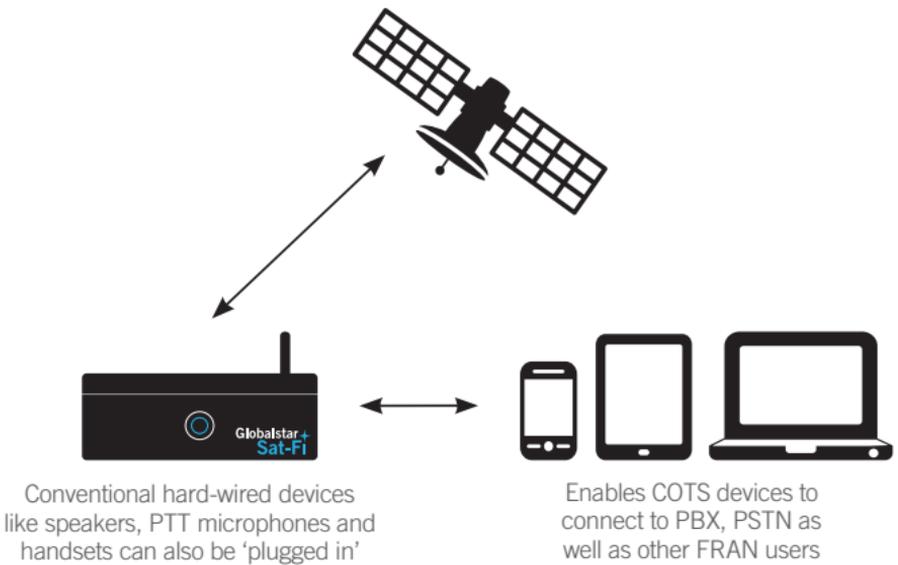


HOW DOES FRAN WORK?

If, for whatever reason, one mobile network becomes unavailable, the FRAN system will hand over the user's call to any other mobile network that's in range.

If no mobile networks are in range or the terrestrial infrastructure has been damaged, the call will be handed over to a Direct-to-User mobile satellite network. All handovers are made on a soft "make before break" basis whenever possible.

BYOD Platform



WHAT DOES FRAN OFFER?

- Can operate indoors or outdoors over public and private Wi-Fi networks
- Can provide User to User voice and data over any distance
- Calls can be given priority in emergency situations
- Calls can automatically switch between networks
- Can operate outside mobile network coverage
- Can operate independently from all terrestrial infrastructure
- Can provide high speed data
- Can provide more reliable data by combining multiple network bearers
- Can provide fully encrypted voice and data
- Can provide VoLTE and VoIP over any data network (3G, 4G, LTE)
- Can provide voice over any incumbent / legacy networks (2G)
- Customer can continue to use their existing smartphone
- Customer is free to choose any new compatible Wi-Fi-enabled smartphone in the future
- Customer can use their existing and all future apps
- Customer is free to choose which mobile network they use
- Can operate over all major mobile networks

FOR FURTHER INFORMATION, PLEASE CONTACT:

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