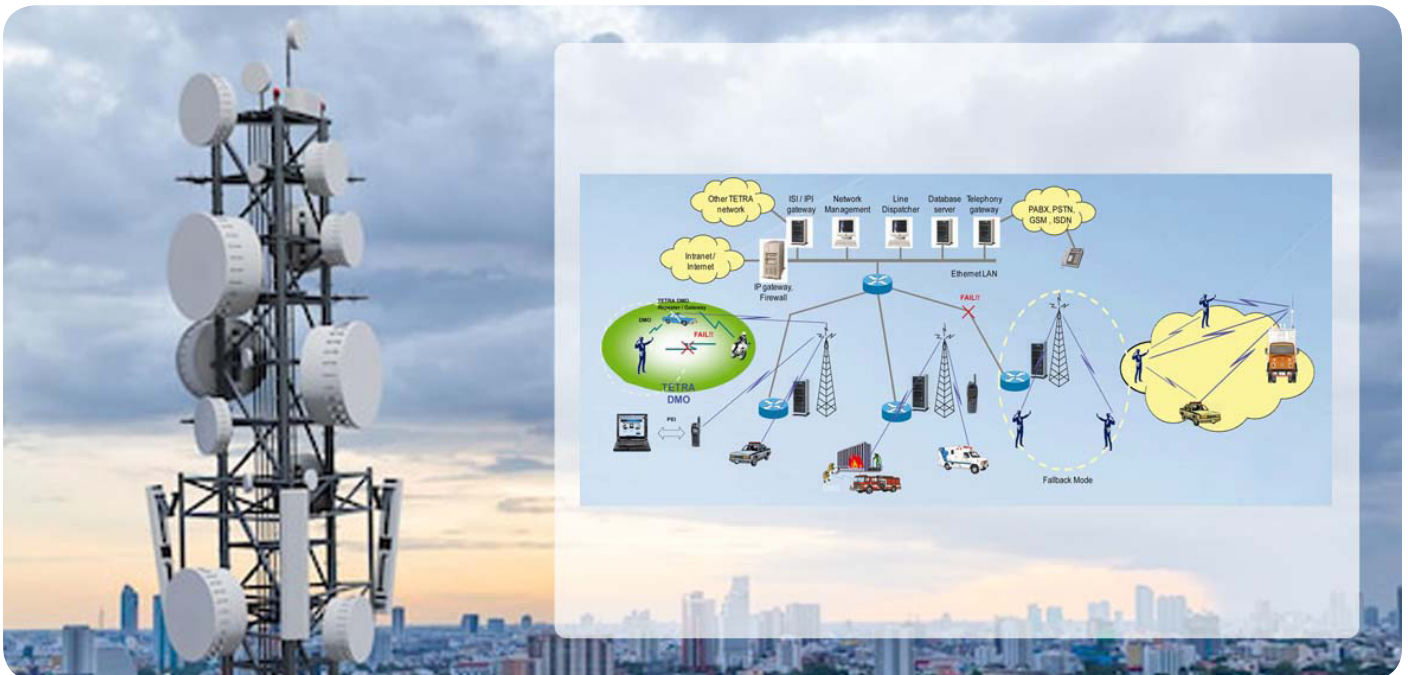




TETRA Trunk Network

TETRA Trunk Network is provided for establishing digital data/voice selective and Group communications.

Due to the repeaters and mobile base stations, these networks are very flexible. Therefore, reliable infrastructure can be developed possibly for military organizations and emergency divisions. This network includes manual/vehicular terminals and base stations.

Capabilities

- ✓ TETRA standard
- ✓ AVL, monitoring operations and GIS
- ✓ Capability of prioritizing the subscribers and services (15 priority levels)
- ✓ Establishing communication with internal, civil, and military communication networks (such as PABX, PSTN, and GSM) and conventional radio network
- ✓ Individual management layers
- ✓ Available standard equipment of the network such as switches and routers
- ✓ Audio services
 - Group calls
 - Selective calls
 - Telephone calls (PABX/PSTN)
- ✓ Data and message sending services
 - SDS (Short Data Services)
- ✓ Security service
 - Identification (individual and interactive)
 - Air-interface encryption (TEA1, EA2, TEA3, and TEA4)
 - End-to-end encryption
 - Access to the PIN and PUK codes
 - Security classes 1, 2, and 3
- ✓ Operator safety
- ✓ Location based services
 - Internal GPS system
 - Setting the LIP (Location Information reporting) service
- ✓ Loud and clear voice
- ✓ Establishing a very flexible and efficient network
- ✓ High frequency efficiency (4 channels in 25KHz bandwidth)
- ✓ Increasing battery life time in the terminals
- ✓ Automatic call switching between the cells
- ✓ Programming different parameters via computer in the terminals and base station
- ✓ Capability of selecting the model along with the GPS module and without the module in the terminals
- ✓ Supporting Farsi language and other world live languages in the terminals
- ✓ Capability of Software updating the network directly via the IP network