



# C-DAC TETRA Network (CTN)



The C-DAC TETRA Network (CTN) is a secure, reliable and efficient communication network which resulted after years of dedicated research and development primarily focused on providing the best possible, efficient and cost effective technology for mission critical applications working in the most demanding environments. It incorporates many of the latest technologies to offer a truly professional, next generation and future-proof communication network. Unlike other systems with a centralized switch, CTN uses the latest, flexible soft-switching technology with distributed database. This eliminates the need for expensive MSCs (Main Switching Centre) and makes the system highly scalable and easy to install, configure and maintain. In this architecture, the network uses Internet Protocol (IP) for transport of TETRA speech traffic, circuit mode data, short data services, status messages, mobility management and network management information. C-DAC has indigenously developed all the infrastructure elements required for the TETRA Communication Network including the Base Stations, Mobile Stations, Gateways, Dispatchers etc. The various optional components that the infrastructure contains provide customers the flexibility to customize their network according to the requirement.

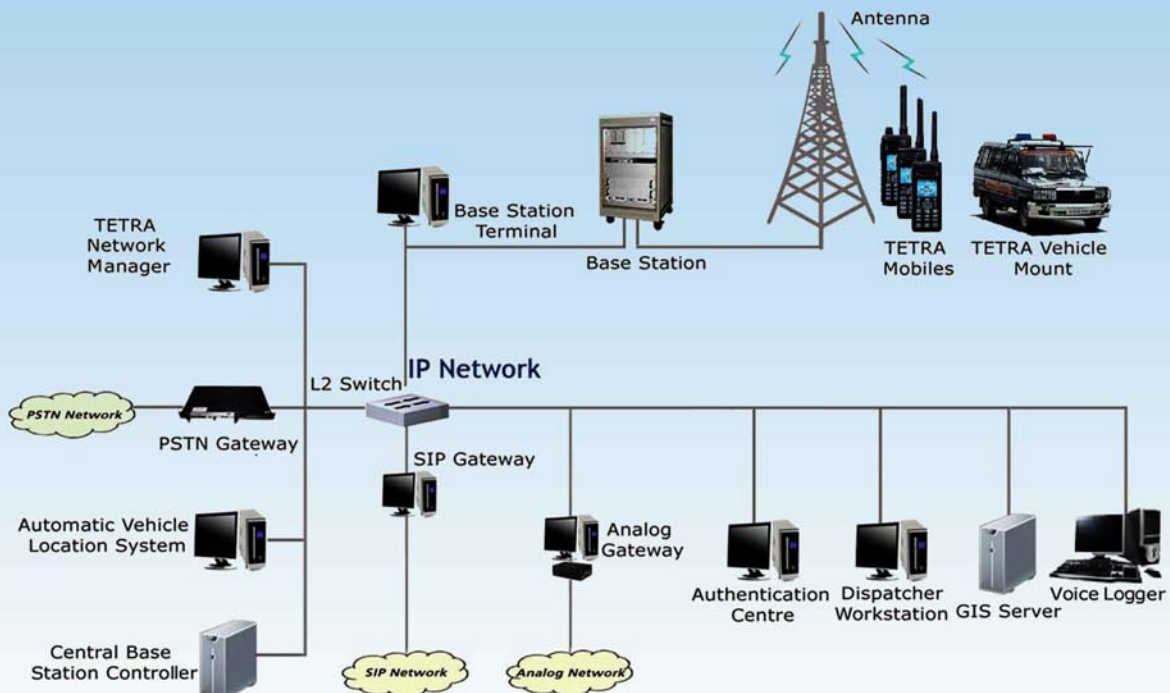


Fig: Typical C-DAC TETRA Network