

Applications in Telecommunications

Time synchronisation is essential in the telecommunications industry to ensure messages are transmitted and received accurately. Deviations from complete synchronicity will result in unintelligible messages. A signal transmitted over long distances is likely to experience slippage or even loss of data.

- Network Synchronisation
- Primary Reference clocks
- Mobile Network Base Stations
- Speaking Clock Systems



As the telecommunications industry uses ever more advanced technology to create higher speeds of data transfer, precise accuracy in time synchronisation is increasingly crucial to the successful implementation of that technology.

The increasing volume of international communication traffic has caused additional problems, not just with the synchronisation of individual networks, but with the issues associated with inter-network synchronisation.

Synchronous Digital Hierarchy (SDH) ensures that all users are adequately synchronised but when a user wishes to communicate with someone on a different network there are no guarantees that frame slips will not occur. Generally, this is not a major issue in low levels of network traffic but when large volumes of data are being communicated between networks the consequences can be disastrous.

Our highly versatile products offer a cost effective means of providing accurate time to a complex, multi-vendor IT system. Due to the product flexibility, we can provide solutions whatever your requirement.



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