

THE MAIN TRENDS OF SYNCHRONIZATION AND TIME DISTRIBUTION IN NGN NETWORKS

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The actual problems of frequency and time synchronization in NGN networks are considered. The popular technologies proposed for synchronization distribution in packet environment (Synchronous Ethernet, time distribution protocols NTP/PTP) are compared. The necessity of NTP/PTP protocols adaptation for use in large telecommunication networks is emphasized. It is shown that only integrated approach using the advantages of different timing technologies and capabilities of existing synchronization networks can provide the optimal way of synchronization and time distribution in NGN environment.