

# **THE EVOLUTION OF CORE TRANSPORT NETWORKS AND ACCESS TECHNOLOGIES**

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The main trends of development of modern core transport networks and access networks are considered. The actual problems caused by transition to NGN and possible solutions are analyzed. In particular, the leading technologies proposed for use in the evolving carrier-class transport networks (MPLS-TP, carrier-class Ethernet, OTN) are compared. All these new technologies (still in process of standardization) tend to approximate the performance of new packet networks to high standards of conventional SDH networks.