

# SDH Telecommunications Standard

▶ Primer

## SDH Reference Materials

### ITU-T:

- ▶ **G.701** – Vocabulary of digital transmission and multiplexing and PCM terms
- ▶ **G.702** – Digital Hierarchy bit rates
- ▶ **G.703** – Physical/electrical characteristics of hierarchical digital interfaces
- ▶ **G.704** – Synchronous frame structures used at 1544, 6312, 2048, 8448, and 44736 kbit/s hierarchical levels
- ▶ **G.706** – Frame alignment and cyclic redundancy check (CRC) procedures relating to basic frame structures defined in Recommendation G.704
- ▶ **G.707** – Network Node Interface for the SDH
- ▶ **G.772** – Protected monitoring points provided on digital transmission systems
- ▶ **G.780** – Vocabulary of terms for SDH networks and equipment
- ▶ **G.783** – Characteristics of SDH equipment functional blocks
- ▶ **G.784** – SDH management
- ▶ **G.803** – Architecture of transport networks based on the SDH
- ▶ **G.823** – Control of jitter and wander in PDH systems
- ▶ **G.825** – Control of jitter and wander in SDH systems
- ▶ **G.826** – Error performance parameters and objectives for international, constant bit rate digital paths at or above the primary rate
- ▶ **G.827** – Availability parameters and objectives for path elements of international constant bit-rate digital paths at or above the primary rate
- ▶ **G.831** – Management capabilities of transport network based on SDH
- ▶ **G.841** – Types and characteristics of SDH network protection architectures
- ▶ **G.861** – Principles and guidelines for the integration of satellite and radio systems in SDH
- ▶ **G.957** – Optical interfaces for equipment and systems relating to the SDH
- ▶ **G.958** – Digital line systems based on SDH for use on optical fibre cables
- ▶ **I.432** – B-ISDN user-network interface – Physical layer specification
- ▶ **M.2100** – Performance limits for bringing-into-service and maintenance of international digital paths, sections, and transmission systems
- ▶ **M.2101** – Performance limits for BIS and maintenance of SDH paths and multiplex sections
- ▶ **O.150** – General requirements for instrumentation for performance measurements on digital transmission equipment
- ▶ **O.172** – Jitter and wander measuring equipment for digital systems which are based on the Synchronous Digital Hierarchy (SDH)
- ▶ **O.181** – Equipment to assess error performance on STM-N interfaces
- ▶ **F.750 (ITU-R)** – Architectures and functional aspects of radio-relay systems for SDH-based networks