

ITU-T SG 15 documents pertaining to FTTx networks

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Note: G.98x series documents have been provided by Dr. Effenberger, Rapporteur of Q.2/15.

G series: Transmission systems and media, digital systems and networks

Optical fibre cables

- G.650.1: Definitions and test methods for linear, deterministic attributes of single-mode fibre and cable
- G.650.2: Definitions and test methods for statistical and non-linear related attributes of single-mode fibre and cable
- G.650.3: Test methods for installed single-mode optical fibre cable links
- G.651.1: Characteristics of a 50/125 μm multimode graded index optical fibre cable for the optical access network
- G.652: Characteristics of a single-mode optical fibre and cable
- G.653: Characteristics of a dispersion-shifted single-mode optical fibre and cable
- G.654: Characteristics of a cut-off shifted single-mode optical fibre and cable
- G.655: Characteristics of a non-zero dispersion-shifted single-mode optical fibre and cable
- G.656: Characteristics of a fibre and cable with non-zero dispersion for wideband optical transport
- G.657: Characteristics of a bending loss insensitive single mode optical fibre and cable for the access network

Characteristics of optical components and subsystems

- G.671: Transmission characteristics of optical components and subsystems

TCM-PON:

G.982 Optical access networks to support services up to the ISDN primary rate or equivalent bit rates

B-PON:

G.983.1 Broadband optical access systems based on Passive Optical Networks (PON)

G.983.2 ONT management and control interface specification for B-PON

G.983.3 A broadband optical access system with increased service capability by wavelength allocation

G.983.4 A broadband optical access system with increased service capability using dynamic bandwidth assignment

G.983.5 A broadband optical access system with enhanced survivability

G.Imp983.2 Implementers' Guide for ITU-T Rec. G.983.2 (07/2005)

G.Sup44 Test plan to verify B-PON Interoperability

G-PON:

G.984.1 Gigabit-capable passive optical networks (GPON): General characteristics

G.984.2 Gigabit-capable Passive Optical Networks (GPON): Physical Media Dependent (PMD) layer specification

G.984.3 Gigabit-capable Passive Optical Networks (G-PON): Transmission convergence layer specification

G.984.4 Gigabit-capable passive optical networks (G-PON): ONT management and control interface specification

G.984.5 Enhancement band for gigabit capable optical access networks

G.984.6 Gigabit-capable passive optical networks (GPON): Reach extension

G.Imp984.3 Implementers' Guide for ITU-T Rec. G.984.3 (02/2004)

G.Imp.984.4 Implementor's Guide for ITU-T Rec. G.984.4

G.Sup45 GPON power conservation

G.Sup46 G-PON PHY/TC Interoperability Test Plan

100M P2P:

G.985 100 Mbit/s point-to-point Ethernet based optical access system

1G P2P:

G.986 1 Gbit/s point-to-point Ethernet based optical access system

XG-PON:

G.987 10-Gigabit-capable passive optical network (XG-PON) systems: Definitions, Abbreviations, and Acronyms

G.987.1 10-Gigabit-capable passive optical network (XG-PON) systems: General Requirements

G.987.2 10-Gigabit-capable passive optical network (XG-PON) systems: Physical Media Dependent (PMD) layer specification

G.987.3 10-Gigabit-capable passive optical network (XG-PON) systems: Transmission Convergence (TC) layer specification

Generic ONU Management:

G.988 ONU management and control interface specification (OMCI)

L series: Construction, installation and protection of cables and other elements of outside plant

- L.1: Construction, installation and protection of telecommunication cables in public networks
- L.2: Impregnation of wooden poles
- L.10: Optical fibre cables for duct and tunnel application
- L.11: Joint use of tunnels by pipelines and telecommunication cables, and the standardization of underground duct plans
- L.12: Optical fibre splices
- L.13: Performance requirements for passive optical nodes: Sealed closures for outdoor environments
- L.14: Measurement method to determine the tensile performance of optical fibre cables under load
- L.15: Optical local distribution networks – Factors to be considered for their construction
- L.17: Implementation of connecting customers into the public switched telephone network (PSTN) via optical fibres
- L.25: Optical fibre cable network maintenance
- L.26: Optical fibre cables for aerial application
- L.35: Installation of optical fibre cables in the access network
- L.36: Single-mode fibre optic connectors
- L.37: Optical branching components (non-wavelength selective)
- L.38: Use of trenchless techniques for the construction of underground infrastructures for telecommunication cable installation
- L.39: Investigation of the soil before using trenchless techniques
- L.40: Optical fibre outside plant maintenance support, monitoring and testing system
- L.41: Maintenance wavelength on fibres carrying signals
- L.42: Extending optical fibre solutions into the access network
- L.43: Optical fibre cables for buried application
- L.47: Access facilities using hybrid fibre/copper networks
- L.48: Mini-trench installation technique
- L.49: Micro-trench installation technique
- L.50: Requirements for passive optical nodes: Optical distribution frames for central office environments
- L.51: Passive node elements for fibre optic networks – General principles and definitions for characterization and performance evaluation
- L.52: Deployment of Passive Optical Networks (PON)
- L.53: Optical fibre maintenance criteria for access networks
- L.57: Air-assisted installation of optical fibre cables
- L.58: Optical fibre cables: Special needs for access network
- L.59: Optical fibre cables for indoor applications
- L.65: Optical fibre distribution of access networks
- L.66: Optical fibre cable maintenance criteria for in-service fibre testing in access networks
- L.67: Small count optical fibre cables for indoor applications

L.71: Design, construction, and installation of network cables for broadband access including metallic networks connected to optical fibre networks

L.77: Installation of optical fibre cables inside sewer ducts

L.78: Optical fibre cable construction for sewer duct applications

L.79: Optical fibre cable elements for microduct blowing-installation application