

ABBREVIATIONS AND ACRONYMS

ADC	Adaptive Dispersion Compensator
ALS	Automatic Laser Shut-down
AON	All Optical Networks
APD	Avalanche Photodiodes
APR	Automatic Power Reduction
APSD	Automatic Power Shut-Down
ASE	Amplified Spontaneous Emission
ATM	Alternative Test Method
BA	Booster Amplifier
BCH codes	Bose- Chaudhuri - Hocquenghem codes
BER	Bit Error Ratio
BOL	Beginning Of Life
B-OTDR	Bidirectional OTDR
BPON	Broadband PON
BU	Branching Unit
CCTV	Closed-Circuit Television
CO	Central Office
CTE	Cable Terminating Equipment
CWDM	Coarse Wavelength Division Multiplexing
DA	Dispersion Accommodation
DA Cable	Double Armoured Cable
DBA	Dynamic Bandwidth Assignment
DC	Direct Current
DCF	Dispersion-Compensating Fibres
DCN	Data Communication Network
DEMUX	Demultiplexer
DFB	<u>Distributed Feedback</u>
DFE	Decision Feedback Equalization
DGD	Differential Group Delay
DRA	Distributed Raman Amplifier
DST	Dispersion Supported Transmission
DWDM	Dense Wavelength Division Multiplexing
EDC	Electronic Dispersion Compensation
EDFA	Erbium-Doped Fibre Amplifier

EME	Embedded Monitoring Equipment
EOL	End-of-Life
ES	Errored Seconds
FEC	Forward Error Correction
FFE	Feed Forward Equalization
FP	Fabry-Perot
FTTB	Fibre-to the-Building
FTTC	Fibre-to-the-Curb
FTTCab	Fibre-to-the-Cabinet
FTTH	Fibre-to-the-Home
FTTx	Fibre-to-the-x
FWM	Four-Wave Mixing
G-PON	Gigabit capable PON
GRP	Ground Penetrating Radar
HMI	Human Machine Interface
IrDI	Inter-Domain Interface
ISDN	Integrated Service Digital Network
LA	Line Amplifier
Laser	Light Amplification by Stimulated Emission of Radiation
LED	Light-Emitting Diodes
LW	Lightweight Cable
LWP	Low Water Peak
LWP	Lightweight Protected Cable
MAC	Media Access Control
MCVD	Modified Chemical-Vapour Deposition
MDU	Multi-Dwelling Units
MFD	Mode Field Diameter
MLM	Multi Longitudinal Mode
MLSE	Maximum Likelihood Sequence Estimation
MPI-R	Multi-Path Interface at the Receiver (Single-channel)
MPI-R _M	Multi-Path Interface at the Receiver (Multichannel)
MPI-S	Multi-Path Interface at the Source (Single-channel)
MPI-S _M	Multichannel Multi-Path Interface at the Source (Multichannel)
MTTF	Mean-Time-to-Failure
MUX	Multiplexer
MZ	Mach-Zehnder
NA	Numerical Aperture

NCG	Net Coding Gain
NE	Network Element
NGA	Next Generation Access
NOC	Network Operations Centre
NRZ	Non-Return-to-Zero
OA	Optical Amplifier
OADM	Optical Add/Drop Multiplexer
OAR	Optically Amplified Receiver
OAT	Optically Amplified Transmitter
OD	Optical Demultiplexer
ODF	Optical Distribution Frame
ODN	Optical Distribution Network
ODUk	Optical Data Unit (k)
OFA	Optical Fibre Amplifier
OLA	Optical Line Amplifier
OLT	Optical Line Termination
OM	Optical Multiplexer
ONE	Optical Network Element
ONT	Optical Network Termination
ONU	Optical Network Unit
OPGW	Optical Fibre Ground Wires
OPM	Optical Power Monitor
OPM	Optical Power Meter
ORL	Optical Return Loss
OS	Operating System
OSA	Optical Spectrum Analyser
OSC	Optical Supervisory Channel
OSNR	Optical Signal-to-Noise Ratio
OSR	Optical Submarine Repeater
OTDR	Optical Time Domain Reflectometer
OTF	Optical Termination Frame
OTL	Optical Trunk Line
OTM	Optical Testing Module
OTN	Optical Transport Network
OTUk	Optical Transport Unit (k)
OVD	Outside-Vapor Deposition
PA	Pre-Amplifier

PCH	Prechirp
PCVD	Plasma-activated Chemical-Vapor Deposition
PDC	Passive Dispersion Compensation
PDC	Passive Dispersion Compensator
PDF	Probability Density Function
PDH	Plesiochronous Digital Hierarchy
PDL	Polarization Dependent Loss
PE	Polyethylene
PFE	Power Feeding Equipment
PMD	Polarization Mode Dispersion
PMD	Physical Media Dependent
PMDC	Polarization Mode Dispersion Compensators
PON	Passive Optical Network
POTS	Plain Old Telephone Service
PSP	Principal States of Polarization
PVC	Polyvinyl Chloride
PXC	Photonic Cross-Connect
RA Cable	Rock Armoured Cable
RE	Reach Extender
ROADM	Reconfigurable Optical Add/Drop Multiplexer
ROPA	Remote Optically Pumped Amplifier
RS codes	Reed-Solomon codes
RTM	Reference Test Method
RZ	Return to Zero
SA Cable	Single Armoured Cable
SBS	Stimulated Brillouin Scattering
SDH	Synchronous Digital Hierarchy
SES	Severely Errored Seconds
SLM	Single Longitudinal Mode
SNI	Service Node Interface
SNR	Signal-to-Noise Ratio
SOA	Semiconductor Optical Amplifiers
SPM	Self Phase Modulation
SRS	Stimulated Raman Scattering
STM-N	Synchronous Transport Module (order N)
TC	Transmission Convergence
TCM	Time Compression Multiplexing

TDM	Time Division Multiplexing
TDMA	Time Division Multiple Access
TMC	Terrestrial Marinized Cables
TS	Terminal Station
TTE	Terminal Transmission Equipment
UNI	User Network Interface
VAD	Vapor-Axial Deposition
VCSEL	Vertical-Cavity Surface-Emitting Lasers
VDSL2	Very high speed Digital Subscriber Loop
VOD	Video On Demand
WBF	Wavelength Blocking Filter
WDM	Wavelength Division Multiplexing
WPNS	Water Peak Not Specified
WSON	Wavelength Switched Optical Network
WWDM	Wide WDM
xDSL	x Digital Subscriber Line
XPM	Cross Phase Modulation

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CH-1211 Geneva 20
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www.itu.int

Printed in Switzerland
Geneva, 2009

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