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TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**G.874**

**Amendment 1**  
(08/2015)

**SERIES G: TRANSMISSION SYSTEMS AND MEDIA,  
DIGITAL SYSTEMS AND NETWORKS**

Digital networks – Optical transport networks

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Management aspects of optical transport network elements

## **Amendment 1**

Recommendation ITU-T G.874 (2013) – Amendment 1

ITU-T G-SERIES RECOMMENDATIONS  
**TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS**

INTERNATIONAL TELEPHONE CONNECTIONS AND CIRCUITS	G.100–G.199
GENERAL CHARACTERISTICS COMMON TO ALL ANALOGUE CARRIER-TRANSMISSION SYSTEMS	G.200–G.299
INDIVIDUAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON METALLIC LINES	G.300–G.399
GENERAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON RADIO-RELAY OR SATELLITE LINKS AND INTERCONNECTION WITH METALLIC LINES	G.400–G.449
COORDINATION OF RADIOTELEPHONY AND LINE TELEPHONY	G.450–G.499
TRANSMISSION MEDIA AND OPTICAL SYSTEMS CHARACTERISTICS	G.600–G.699
DIGITAL TERMINAL EQUIPMENTS	G.700–G.799
DIGITAL NETWORKS	G.800–G.899
General aspects	G.800–G.809
Design objectives for digital networks	G.810–G.819
Synchronization, quality and availability targets	G.820–G.829
Network capabilities and functions	G.830–G.839
SDH network characteristics	G.840–G.849
Management of transport network	G.850–G.859
SDH radio and satellite systems integration	G.860–G.869
<b>Optical transport networks</b>	<b>G.870–G.879</b>
DIGITAL SECTIONS AND DIGITAL LINE SYSTEM	G.900–G.999
MULTIMEDIA QUALITY OF SERVICE AND PERFORMANCE – GENERIC AND USER-RELATED ASPECTS	G.1000–G.1999
TRANSMISSION MEDIA CHARACTERISTICS	G.6000–G.6999
DATA OVER TRANSPORT – GENERIC ASPECTS	G.7000–G.7999
PACKET OVER TRANSPORT ASPECTS	G.8000–G.8999
ACCESS NETWORKS	G.9000–G.9999

*For further details, please refer to the list of ITU-T Recommendations.*

# **Recommendation ITU-T G.874**

## **Management aspects of optical transport network elements**

### **Amendment 1**

#### **Summary**

Amendment 1 to Recommendation ITU-T G.874 (2013) updates Table 7-1, Table 7-2, Table 7-3, Table 8-1, Table 8-2 and Table 10-1 and removes Figure 8-1.

#### **History**

Edition	Recommendation	Approval	Study Group	Unique ID*
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4.1	ITU-T G.874 (2013) Amd. 1	2015-08-13	15	<a href="http://handle.itu.int/11.1002/1000/12559">11.1002/1000/12559</a>

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# **Recommendation ITU-T G.874**

## **Management aspects of optical transport network elements**

### **Amendment 1**

#### **1) Clause 4, Abbreviations and acronyms**

*Update clause 4 with new abbreviations as shown in revision marks below:*

This Recommendation uses the following abbreviations and acronyms:

1second	1-second pulse
AcPT	Accepted PT
AcSTAT	Accepted STAT
AcTI	Accepted TTI
AdminState	Administrative State
AIS	Alarm Indication Signal
ALM	Alarm reporting
AP	Access Point
APR	Automatic Power Reduction
APRCntrl	Automatic Power Reduction Control
ARC	Alarm Reporting Control
AutoMS	Automatic configuration of the Multiplex Structure
BDI	Backward Defect Indicator
BDI-O	Backward Defect Indicator Overhead
BDI-P	Backward Defect Indicator Payload
BIAE	Backward Incoming Alignment Error
BIP	Bit Interleaved Parity
CBRx	Constant Bit Rate signal of bit rate [range] x
CLNE	Client Layer Network Entity
COMMS OH	general management Communications Overhead
CP	Connection Point
CSF	Client Signal Failure
CTP	Connection Termination Point
CWDM	Coarse Wavelength Division Multiplexing
DCC	Data Communications Channel
DCN	Data Communication Network
DS	Defect Second
DS-O	Defect Second Overhead

DS-P	Defect Second Payload
DEG	Degraded defect
DEGM	DEG consecutive 1-second monitoring intervals
DEGThr	DEG 1-second EBC threshold
DTDL	Defect Type and Defect Location
DWDM	Dense Wavelength Division Multiplexing
EBC	Errored Block Count
ECC	Embedded Control Channel
EMF	Equipment Management Function
EMS	Element Management System
ExDAPI	Expected Destination Access Point Identifier
ExMSI	Expected Multiplex Structure Identifier
ExSAPI	Expected Source Access Point Identifier
ExtCMD	External Command
F	Far-end
FCAPS	Fault, Configuration, Accounting, Performance and Security management
FDI	Forward Defect Indicator
FDI-O	Forward Defect Indicator Overhead
FDI-P	Forward Error Correction Payload
FEC	Forward Error Correction
FECEn	Forward Error Correction Enabled
FECCorrErr	Forward Error Correction Corrected Errors
FOP	Failure of Protocol
FOP-PM	Failure of Protocol; Provisioning Mismatch
FOP-NR	Failure of Protocol; No Response
GCC	General Communication Channel
GCCAccess	General Communication Channel Access
GCCCont	General Communication Channel Continue
GetAcTI	Get Accepted trail Trace Identifier
GFC	Generic Flow Control
GNE	Gateway Network Element
HEC	Header Error Control
HoTime	Hold-off Time
IAE	Incoming Alignment Error
IaDI	Intra-Domain Interface
IrDI	Inter-Domain Interface
LAN	Local Area Network

LCD	Loss of Cell Delineation
LCK	Locked defect
LFD	Loss of Frame Delineation
LOA	Loss of Alignment
LOF	Loss of Frame
LOFLOM	Loss of Frame and (Loss of) Multiframe
LOFOTL	Loss of Frame of Optical Lane
LOL	Loss of Lane alignment
LOM	Loss of Multiframe
LOOMFI	Loss of OPU Multiframe Indication
LOS	Loss of Signal
LOS-O	Loss of Signal Overhead
LOS-P	Loss of Signal Payload
LSS	Loss of pseudo-random bit Sequence lock
LTC	Loss of Tandem Connection
MAF	Management Application Function
MCF	Message Communications Function
MCN	Management Communication Network
MI	Management Information
MIB	Management Information Base
MO	Managed Object
MP	Management Point
MPI	Main Path Interface
MSI	Multiplex Structure Identifier
MSIM	Multiplex Structure Identifier Mismatch
NALM	No Alarm reporting
NALM-CD	No Alarm reporting, CountDown
NALM-NR	No Alarm reporting, NotReady
NALM-QI	No Alarm reporting, Qualified Inhibit
NALM-TI	No Alarm reporting, Timed Inhibit
NE	Network Element
NEF	Network Element Function
NT	Network Terminal
OCh	Optical Channel
OChr	Optical Channel with reduced functionality
OCI	Open Connection Indication
ODU	Optical Data Unit

ODUi	Optical Data Unit of level i
ODU[ij]	Optical Data Unit of level j and i (i is optional; $i < j$ )
ODUj	Optical Data Unit of level j
ODUj[/ <i>i</i> ]	Optical Data Unit of level j or i (i is optional; $i < j$ )
ODUk	Optical Data Unit of level k, $k=0, 1, 2, 2e, 3, 4, \text{flex}$
ODUkP	Optical Data Unit of level k, Path, $k=0, 1, 2, 2e, 3, 4, \text{flex}$
ODUkT	Optical Data Unit of level k, Tandem connection sub-layer, $k=0, 1, 2, 2e, 3, 4, \text{flex}$
ODUkTm	ODUkT non-intrusive monitoring function, $k=0, 1, 2, 2e, 3, 4, \text{flex}$
OLNE	Optical Layer Network Entity
O.MN	OTN Management Network
OMS	Optical Multiplex Section
O.MSN	OTN Management Subnetwork
OMSn	Optical Multiplex Section of level n
O.NE	OTN Network Element
OOS	Optical transport module Overhead Signal
OPSn	Optical Physical Section of level n, $n=0, 16, 32$
OPSMnk	OPS Multi-lane, $k=3, 4; n=4$
OS	Operations System
OSC	Optical Supervisory Channel
OSI	Open Systems Interconnection
OTH	Open Transport Hierarchy
OTL	Optical channel Transport Lane
OTLk.n.	Optical Transmission Lane of OTUk lane number n
OTM	Optical Transport Module
OTN	Optical Transport Network
OTS	Optical Transmission Section
OTSn	Optical Transmission Section of level n
OTU	Optical Transmission Unit
OTUk	Optical Transmission Unit of level k, $k=1, 2, 3, 4$
OTUKV	Optical Transmission Unit of level k, functional standardized, $k=1, 2, 3, 4$
PCS	Physical Coding Sublayer
PLM	PayLoad Mismatch
PMC	Performance Monitoring Clock
PPP	Point-to-Point Protocol
ProtType	Protection Type
PRBS	Pseudo-Random Bit Sequence
PT	Payload Type

RSn	Regenerator Section of level n
RTC	Real-Time Clock
RTR	Reset Threshold Report
SCN	Signalling Communication Network
SDH	Synchronous Digital Hierarchy
Sk	Sink
So	Source
SSF	Server Signal Fail
SSF-O	Server Signal Fail Overhead
SSF-P	Server Signal Fail Payload
STAT	Status field
TCP	Termination Connection Point
TI	Trace Identifier
TIM	Trace Identifier Mismatch
TIMActDis	Trace Identifier Mismatch consequent Actions Disabled
TIMDetMo	Trace Identifier Mismatch Detection Mode
TMN	Telecommunications Management Network
TP	Termination Point
TPusgActive	TP usage measurement Active
TR	Threshold Report
TSE	Test Sequence Error
TT	Trail Termination
TTI	Trail Trace Identifier
TTP	Trail Termination Point
TTPSk	Trail Termination Point Sink
TTPSo	Trail Termination Point Source
TxMSI	Transmitted Multiplex Structure Identifier
TxTI	Transmitted trail Trace Identifier
VcPLM	Virtual concatenation Payload Mismatch
VP	Virtual Path
VPI	Virtual Path Identifier
WDM	Wavelength Division Multiplexing

**2) Table 7-1 in clause 7.2.1, Fault cause persistency function – PRS**

*Update Table 7-1 in clause 7.2.1 as shown in revision marks below:*

**Table 7-1 – Inputs/outputs for the fault cause persistency function**

Atomic functions	Input (fault cause)	Output (failure)
OSM256.4/CBRx_A_So	cLOF	fLOF
OTSn_TT_Sk	cTIM cBDI cBDI-O cBDI-P cLOS-O cLOS-P cLOS	fTIM fBDI fBDI-O fBDI-P fLOS-O fLOS-P fLOS
OMSn_TT_Sk	cBDI cBDI-O cBDI-P cSSF cSSF-O cSSF-P cLOS-P	fBDI fBDI-O fBDI-P fSSF fSSF-O fSSF-P fLOS-P
OMSnP_TT_Sk	cSSF cSSF-O cSSF-P	fSSF fSSF-O fSSF-P
OPSn_TT_Sk	cLOS-P	fLOS-P
OPSMnk_TT_Sk	cLOS cLOL	fLOS fLOL
OPSM/OTUk-a_A_Sk	cLOS cLOM	fLOS fLOM
OPSM/OTUk-b_A_Sk	cLOS cLOM	fLOS fLOM
OCh_TT_Sk	cLOS-P cSSF cSSF-P cSSF-O cOCI	fLOS-P fSSF fSSF-P fSSF-O fOCI
OChr_TT_Sk	cLOS cSSF-P	fLOS fSSF-P
OCh/OTUk-a_A_Sk	cLOF cLOM	fLOF fLOM
OCh/OTUk-b_A_Sk	cLOF cLOM	fLOF fLOM
OCh/OTUk-v_A_Sk	cLOF cLOM	fLOF fLOM
OCh/OTUkV_A_Sk	cLOF cLOM (multiframe OTUkV only)	fLOF fLOM
OCh/RSn_A_Sk	cLOF	fLOF
OTUk_TT_Sk	cTIM cDEG cBDI cSSF	fTIM fDEG fBDI fSSF

**Table 7-1 – Inputs/outputs for the fault cause persistency function**

Atomic functions	Input (fault cause)	Output (failure)
OTUkV_TT_Sk	cTIM cDEG cBDI cSSF	fTIM fDEG fBDI fSSF
OTUkV/ODUk_A_Sk ( <i>If loss of alignment supervision is performed</i> )	cLOA	fLOA
ODUk_C	cFOP-PM cFOP-NR	fFOP-PM fFOP-NR
ODUkP_TT_Sk	cOCI cTIM cDEG cBDI cSSF cLCK	fOCI fTIM fDEG fBDI fSSF fLCK
ODUkP/CBRx_A_Sk	cPLM cCSF	fPLM fCSF
ODUkP/VP_A_Sk	cPLM cLCD	fPLM fLCD
ODUkP/NULL_A_Sk	cPLM	fPLM
ODUkP/PRBS_A_Sk	cPLM cLSS	fPLM fLSS
ODUkP/RSn_A_Sk	cPLM cLOF	fPLM fLOF
ODUkP/ODU[i]j_A_Sk	cPLM cMSIM[p] cLOFLOM[p]  NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively	fPLM fMSIM[p] fLOFLOM[p]
ODUkP/ODUj-21_A_Sk	cPLM cLOOMFI cMSIM[p] cLOFLOM[p]  NOTE – [p] = [1...n], when doing n x ODUj_CP	fPLM fLOOMFI fMSIM[p] fLOFLOM[p]
ODUkP-h/ETH_A_Sk	cPLM cLFD cUPM cEXM cCSF	fPLM fLFD fUPM fEXM fCSF
ODUkP-h/ODUj-21_A_Sk	cPLM cLOOMFI cMSIM[p] cRCOHM  NOTE – [p] = [1...n], when doing n x ODUj_CP	fPLM fLOOMFI fMSIM[p] fRCOHM

**Table 7-1 – Inputs/outputs for the fault cause persistency function**

Atomic functions	Input (fault cause)	Output (failure)
ODU2eP/FC-1200_A_Sk	cPLM cCSF cLFD	fPLM fCSF fLFD
ODUkT_TT_Sk	cOCI cTIM cDEG cBDI cSSF cLCK cLTC	fOCI fTIM fDEG fBDI fSSF fLCK fLTC
ODUkTm_TT_Sk	cOCI cTIM cDEG cBDI cSSF cLCK cLTC	fOCI fTIM fDEG fBDI fSSF fLCK fLTC
ODUkP-Xv/ODUkP-X-L_A_Sk	cPLM[1..XMR]	fPLM[1..XMR]
ODUkP-X-L/CBRx_A_Sk	cVcPLM	fVcPLM
ODUkP-X-L/RSn_A_Sk	cVcPLM cLOF	fVcPLM fLOF
ODUkP-X-L/WP_A_Sk	cVcPLM cLCD	fVcPLM fLCD
ODUkP-X-L/NULL_A_Sk	cVcPLM	fVcPLM
ODUkP-X-L/PRBS_A_Sk	cVcPLM cLSS	fVcPLM fLSS
OSx_TT_Sk, x=2G5, 10G, 40G	cLOS	fLOS

**3) Table 7-2 in clause 7.2.3, Alarm reporting control function – ARC**

*Update Table 7-2 in clause 7.2.3 as shown in revision marks below:*

**Table 7-2 – ARC specifications for the OTN**

Atomic function	Qualified problems	QoS reporting	Default ARC state value constraints
OSM256.4/CBRx_A_So	fLOF	FFS	ALM
OTSn_TT_Sk	fTIM fBDI fBDI-P fLOS-P fLOS	FFS	ALM
OMSn_TT_Sk	fBDI fBDI-P fSSF fSSF-P fLOS-P	FFS	ALM
OMSnP_TT_Sk	fSSF fSSF-P	FFS	ALM
OPSn_TT_Sk	fLOS-P	FFS	ALM
OPSMnk_TT_Sk	fLOS fLOL	FFS	ALM
OPSM/OTUk-a_A_Sk	fLOF fLOM	FFS	ALM
OPSM/OTUk-b_A_Sk	fLOF fLOM	FFS	ALM
OCh_TT_Sk	fLOS-P fSSF fSSF-P fFOCI	FFS	ALM
OChr_TT_Sk	fLOS fSSF-P	FFS	ALM
OCh/OTUk-a_A_Sk	fLOF fLOM	FFS	ALM
OCh/OTUk-b_A_Sk	fLOF fLOM	FFS	ALM
OCh/OTUkV_A_Sk	fLOF fLOM	FFS	ALM
OCh/RSn_A_Sk	fLOF	FFS	ALM
OTUk_TT_Sk	fTIM fDEG fBDI fSSF	FFS	ALM
OTUkV_TT_Sk	fTIM fDEG fBDI fSSF	FFS	ALM
OTUkV/ODUk_A_Sk	fLOA	FFS	ALM
ODUk_C	fFOP-PM fFOP-NR	FFS	ALM

**Table 7-2 – ARC specifications for the OTN**

Atomic function	Qualified problems	QoS reporting	Default ARC state value constraints
ODUkP_TT_Sk	fFOCI fFTIM fFDEG fFBDI fFSSF fFLCK	FFS	ALM
ODUkP/CBRx_A_Sk	fPLM fCSF	FFS FFS	ALM FFS
ODUkP/VP_A_Sk	fPLM fLCD	FFS	ALM
ODUkP/NULL_A_Sk	fPLM	FFS	ALM
ODUkP/PRBS_A_Sk	fPLM fLSS	FFS	ALM
ODUkP/RSn_A_Sk	fPLM fLOF	FFS	ALM
ODUkP/ODU[i]j_A_Sk	fPLM fMSIM[p] fLOFLOM[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively	FFS	ALM
ODUkP/ODUj-21_A_Sk	fPLM fLOOMFI fMSIM[p] fLOFLOM[p] NOTE – [p] = [1...n], when doing n x ODUj_CP	FFS	ALM
ODUkP-h/ETH_A_Sk	fPLM fLFD fUPM fEXM fCSF	FFS	ALM
ODUkP-h/ODUj-21_A_Sk	fPLM fLOOMFI fMSIM[p] fRCOHM NOTE – [p] = [1...n], when doing n x ODUj_CP	FFS	ALM

**Table 7-2 – ARC specifications for the OTN**

Atomic function	Qualified problems	QoS reporting	Default ARC state value constraints
ODU2eP/FC-1200_A_Sk	fPLM fCSF fLFD	FFS	ALM
ODUkT_TT_Sk	fOCI fTIM fDEG fBDI fSSF fLCK fLTC	FFS	ALM
ODUkTm_TT_Sk	fOCI fTIM fDEG fBDI fSSF fLCK fLTC	FFS	ALM
ODUkP-Xv/ODUkP-X-L_A_Sk	fPLM[1..XMR]	FFS	ALM
ODUkP-X-L/CBRx_A_Sk	fVcPLM	FFS	ALM
ODUkP-X-L/RSn_A_Sk	fVcPLM fLOF	FFS	ALM
ODUkP-X-L/VP_A_Sk	fVcPLM fLCD	FFS	ALM
ODUkP-X-L/NULL_A_Sk	fVcPLM	FFS	ALM
ODUkP-X-L/PRBS_A_Sk	fVcPLM fLSS	FFS	ALM
OSx_TT_Sk	fLOS	FFS	ALM

**4) Table 7-3 in clause 7.2.14, Operational state function – OPS**

*Update Table 7-3 in clause 7.2.14 as shown in revision marks below:*

**Table 7-3 – Input and output signals of the operational state function for OTN**

Atomic function	Failure input (fZZZ-value)	Operational state output (enabled/disabled) of the trail object class
OSM256.4/CBRx_A_So	fLOF	Disabled
OTSn_TT_Sk	fTIM fBDI fBDI-P fLOS-P fLOS	Enabled Enabled Enabled Disabled Disabled
OMSn_TT_Sk	fBDI fBDI-P fSSF fSSF-P fLOS-P	Enabled Enabled Enabled Enabled Disabled
OMSnP_TT_Sk	fSSF fSSF-P	Enabled Enabled
OPSn_TT_Sk	fLOS-P	Disabled
OPSMnk_TT_Sk	fLOS fLOL	Disabled Disabled
OPSM/OTUk-a_A_Sk	fLOF fLOM	Disabled Disabled
OPSM/OTUk-b_A_Sk	fLOF fLOM	Disabled Disabled
OCh_TT_Sk	fLOS-P fSSF fSSF-P fOCI	Disabled Enabled Enabled Enabled
OChr_TT_Sk	fLOS fSSF-P	Disabled Enabled
OCh/OTUk-a_A_Sk	fLOF fLOM	Disabled Disabled
OCh/OTUk-b_A_Sk	fLOF fLOM	Disabled Disabled
OCh/OTUkV_A_Sk	fLOF fLOM	Disabled Disabled
OCh/RSn_A_Sk	fLOF	Disabled
OTUk_TT_Sk	fTIM fDEG fBDI fSSF	Enabled Enabled Enabled Enabled
OTUkV_TT_Sk	fTIM fDEG fBDI fSSF	Enabled Enabled Enabled Enabled
OTUkV/ODUk_A_Sk	fLOA	Disabled
ODUk_C	fFOP-PM fFOP-NR	Disabled Disabled

**Table 7-3 – Input and output signals of the operational state function for OTN**

Atomic function	Failure input (fZZZ-value)	Operational state output (enabled/disabled) of the trail object class
ODUkP_TT_Sk	fOCI fTIM fDEG fBDI fSSF fLCK	Enabled Enabled Enabled Enabled Enabled Enabled
ODUkP/CBRx_A_Sk	fPLM fCSF	Disabled Enabled
ODUkP/VP_A_Sk	fPLM fLCD	Disabled Disabled
ODUkP/NULL_A_Sk	fPLM	Disabled
ODUkP/PRBS_A_Sk	fPLM fLSS	Disabled Disabled
ODUkP/RSn_A_Sk	fPLM fLOF	Disabled Disabled
ODUkP/ODU[i]j_A_Sk	fPLM fMSIM[p] fLOFLOM[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively	Disabled Disabled Disabled
ODUkP/ODUj-21_A_Sk	fPLM fLOOMFI fMSIM[p] fLOFLOM[p] NOTE – [p] = [1...n], when doing n x ODUj_CP	FFS FFS FFS Disabled
ODUkP-h/ETH_A_Sk	fPLM fLFD fUPM fEXM fCSF	Disabled Disabled Disabled Disabled Enabled
ODUkP-h/ODUj-21_A_Sk	fPLM fLOOMFI fMSIM[p] fRCOHM NOTE – [p] = [1...n], when doing n x ODUj_CP	Disabled Disabled Disabled FFS
ODU2eP/FC-1200_A_Sk	fPLM fCSF fLFD	Disabled Enabled Disabled

**Table 7-3 – Input and output signals of the operational state function for OTN**

Atomic function	Failure input (fZZZ-value)	Operational state output (enabled/disabled) of the trail object class
ODUkT_TT_Sk	fOCI fTIM fDEG fBDI fSSF fLCK fLTC	Enabled Enabled Enabled Enabled Enabled Enabled FFS
ODUkTm_TT_Sk	fOCI fTIM fDEG fBDI fSSF fLCK fLTC	Enabled Enabled Enabled Enabled Enabled Enabled FFS
ODUkP-Xv/ODUkP-X-L_A_Sk	fPLM[1..XMR]	FFS
ODUkP-X-L/CBRx_A_Sk	fVcPLM	FFS
ODUkP-X-L/RSn_A_Sk	fVcPLM fLOF	FFS Disabled
ODUkP-X-L/VP_A_Sk	fVcPLM fLCD	FFS Disabled
ODUkP-X-L/NULL_A_Sk	fVcPLM	FFS
ODUkP-X-L/PRBS_A_Sk	fVcPLM fLSS	FFS FFS
OSx_TT_Sk	fLOS	Disabled

**5) Table 8-1 in clause 8.4, Trail termination**

*Update Table 8-1 in clause 8.4 as shown in revision marks below:*

**Table 8-1 – Trace identifier-related provisioning and reporting**

MI signal	Value range	Default value
OTSn_TT_So Provisioning		
OTSn_TT_So_MI_TxTI	According to [ITU-T G.709]	Not applicable
OTSn_TT_So_MI_APRCntrl	Enable, Disable	Enable
OTSn_TT_Sk Provisioning		
OTSn_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
OTSn_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
OTSn_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
OTSn_TT_Sk_MI_TIMDetMo	According to [ITU-T G.798]	FFS
OTSn_TT_Sk_MI_TIMActDis	True, false	True
OTSn_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable

**Table 8-1 – Trace identifier-related provisioning and reporting**

MI signal	Value range	Default value
OMSn_TT_Sk Provisioning		
OMSn_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
OCh_TT_So Provisioning		
OCh_TT_So_MI_nominalCentralFrequency OrWavelength	See ITU-T G.874.1 for the object OCh_TerminationPoint	–
OCh_TT_So_MI_selectedApplicationIdentifier	See ITU-T G.874.1 for the object OCh_TerminationPoint	–
OCh_TT_So Reporting		
OCh_TT_So_MI_nominalCentralFrequency OrWavelength	See ITU-T G.874.1 for the object OCh_TerminationPoint	–
OCh_TT_So_MI_supportableApplicationIdentifierList	See ITU-T G.874.1 for the object OCh_TerminationPoint	–
OCh_TT_Sk Reporting		
OCh_TT_Sk_MI_supportableApplicationIdentifierList	See ITU-T G.874.1 for the object OCh_TerminationPoint	–
OChr_TT_So Provisioning		
OChr_TT_So_MI_nominalCentralFrequency OrWavelength	See ITU-T G.874.1 for the object OChr_TerminationPoint	–
OChr_TT_So_MI_selectedApplicationIdentifier	See ITU-T G.874.1 for the object OChr_TerminationPoint	–
OChr_TT_So Reporting		
OChr_TT_So_MI_nominalCentralFrequency OrWavelength	See ITU-T G.874.1 for the object OChr_TerminationPoint	–
OChr_TT_So_MI_selectedApplicationIdentifier	See ITU-T G.874.1 for the object OChr_TerminationPoint	–
OChr_TT_Sk Reporting		
OChr_TT_Sk_MI_supportableApplicationIdentifierList	See ITU-T G.874.1 for the object OChr_TerminationPoint	–
OTUk_TT_So Provisioning		
OTUk_TT_So_MI_TxTI	According to [ITU-T G.709]	Not applicable
OTUk_TT_Sk Provisioning		
OTUk_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
OTUk_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
OTUk_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
OTUk_TT_Sk_MI_TIMDetMo	According to [ITU-T G.798]	FFS
OTUk_TT_Sk_MI_TIMActDis	True, false	True
OTUk_TT_Sk_MI_DEGThr	In number of errored blocks or in percentage between 0% and 100%; see Table 7-1 of [ITU-T G.806]	–
OTUk_TT_Sk_MI_DEGM	2-10; see Table 7-1 of [ITU-T G.806]	10

**Table 8-1 – Trace identifier-related provisioning and reporting**

<b>MI signal</b>	<b>Value range</b>	<b>Default value</b>
OTUk_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
OTUkV_TT_So Provisioning		
OTUkV_TT_So_MI_TxTI	According to [ITU-T G.709]	Not applicable
OTUkV_TT_Sk Provisioning		
OTUkV_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
OTUkV_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
OTUkV_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
OTUkV_TT_Sk_MI_TIMDetMo	According to [ITU-T G.798]	FFS
OTUkV_TT_Sk_MI_TIMActDis	Enabled, disabled	Disabled
OTUkV_TT_Sk_MI_DEGThr	In number of errored blocks or in percentage between 0% and 100%; see Table 7-1 of [ITU-T G.806]	–
OTUkV_TT_Sk_MI_DEGM	2-10; see Table 7-1 of [ITU-T G.806]	10
OTUkV_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
ODUkP_TT_So Provisioning		
ODUkP_TT_So_MI_TxTI	According to [ITU-T G.709]	Not applicable
ODUkP_TT_So_MI_DM_Source	true, false	false
ODUkP_TT_So_MI_DMValue	Not applicable. See [ITU-T G.798]	Not applicable
ODUkP_TT_Sk Provisioning		
ODUkP_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
ODUkP_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
ODUkP_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
ODUkP_TT_Sk_MI_TIMDetMo	According to [ITU-T G.798]	FFS
ODUkP_TT_Sk_MI_TIMActDis	Enabled, disabled	Disabled
ODUkP_TT_Sk_MI_DM_Source	true, false	false
ODUkP_TT_Sk_MI_DMValue	Not applicable. See [ITU-T G.798]	Not applicable.
ODUkT_TT_So Provisioning		
ODUKT_TT_So_MI_TxTI	According to [ITU-T G.709]	Not applicable
ODUKT_TT_So_MI_DM_Source	true, false	false
ODUKT_TT_So_MI_DMValue	Not applicable. See [ITU-T G.798]	Not applicable.
ODUKT_TT_Sk Provisioning		
ODUKT_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
ODUKT_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
ODUKT_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
ODUKT_TT_Sk_MI_TIMDectMo	According to [ITU-T G.798]	FFS

**Table 8-1 – Trace identifier-related provisioning and reporting**

MI signal	Value range	Default value
ODUKT_TT_Sk_MI_TIMActDis	Enabled, disabled	Disabled
ODUKT_TT_Sk_MI_DEGThr	In number of errored blocks or in percentage between 0% and 100%; See Table 7-1 of [ITU-T G.806]	–
ODUKT_TT_Sk_MI_DEGM	2-10; see Table 7-1 of [ITU-T G.806]	10
ODUKT_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
ODUKT_TT_Sk_MI_DM_Source	true, false	trufalse
ODUKT_TT_Sk_MI_DMValue	Not applicable. See [ITU-T G.798]	Not applicable.
ODUKT_TT_Sk_MI_LTCAct_Enable	true, false	false
ODUkT_TT_Sk Reporting		
ODUKT_TT_Sk_MI_AcTI	According to [ITU-T G.709]	Not applicable
ODUkTm_TT_Sk Provisioning		
ODUkTm_TT_Sk_MI_Level	1..6	Not applicable
ODUkTm_TT_Sk_MI_ExSAPI	According to [ITU-T G.709]	Not applicable
ODUkTm_TT_Sk_MI_ExDAPI	According to [ITU-T G.709]	Not applicable
ODUkTm_TT_Sk_MI_GetAcTI	According to [ITU-T G.798]	Not applicable
ODUkTm_TT_Sk_MI_TIMDectMo	According to [ITU-T G.798]	FFS
ODUkTm_TT_Sk_MI_TIMActDis	Enabled, disabled	Disabled
ODUkTm_TT_Sk_MI_DEGThr	In number of errored blocks or in percentage between 0% and 100%; see Table 7-1 of [ITU-T G.806]	–
ODUkTm_TT_Sk_MI_DEGM	2-10; see Table 7-1 of [ITU-T G.806]	10
ODUkTm_TT_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
ODUkTm_TT_Sk Reporting		
ODUkTm_TT_Sk_MI_AcTI	According to [ITU-T G.709]	Not applicable
OSx_TT_So Provisioning		
OSx_TT_So_MI_APRCntrl (Notes 1 and 2)	Enable, disable	Enable
NOTE 1 – If APR is required.		
NOTE 2 – The APRCntrl commands depend on the specific APR process.		

## 6) Figure 8-1 in clause 8.5, Adaptation

*Update clause 8.5 to remove Figure 8-1 as shown in revision marks below:*

7) **Table 8-2 in clause 8.5, Adaptation**

*Update Table 8-2 in clause 8.5 as shown in revision marks below:*

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
OSM256.4/CBRx_So Provisioning		
OSM256.4/CBRx_So_MI_Active	True, False	False
OPSM/OTUk-a_A_So Provisioning		
OPSM/OTUk-a_A_So_MI_Active	True, false	False
OPSM/OTUk-b_A_So Provisioning		
OPSM/OTUk-b_A_So_MI_Active	True, false	False
OPSM/OTUk-a_A_Sk Provisioning		
OPSM/OTUk-a_A_Sk_MI_FECEn (not for OTU4)	True, false	True
OPSM/OTUk-a_A_Sk_MI_Active	True, false	False
OPSM/OTUk-a_A_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
OPSM/OTUk-b_A_Sk Provisioning		
OPSM/OTUk-b_A_Sk_MI_Active	True, false	False
OCh/OTUk-a_A_So Provisioning		
OCh/OTUk-a_A_So_MI_Active	True, false	False
OCh/OTUk-b_A_So Provisioning		
OCh/OTUk-b_A_So_MI_Active	True, false	False
OCh/OTUk-a_A_Sk Provisioning		
OCh/OTUk-a_A_Sk_MI_FECEn	True, false	True
OCh/OTUk-a_A_Sk_MI_Active	True, false	False
OCh/OTUk-a_A_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
OCh/OTUk-b_A_Sk Provisioning		
OCh/OTUk-b_A_Sk_MI_Active	True, false	False
OCh/OTUk-v_A_So Provisioning		
OCh/OTUk-v_A_So_MI_Active	True, false	False
OCh/OTUk-v_A_Sk Provisioning		
OCh/OTUk-v_A_Sk_MI_FECEn	True, false	True
OCh/OTUk-v_A_Sk_MI_Active	True, false	False
OCh/OTUk-v_A_Sk_MI_1second	According to [ITU-T G.798]	Not applicable
OCh/OTUkV_A_So Provisioning		
OCh/OTUkV_A_So_MI_Active	True, false	False
OCh/OTUkV_A_Sk Provisioning		
OCh/OTUkV_A_Sk_MI_Active	True, false	False

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
OCh/OTUkV_A_Sk_MI_1second (Note 1)	According to [ITU-T G.798]	Not applicable
OCh/CBRx_A_So_Provisioning		
OCh/CBRx_A_So_MI_Active	True, false	False
OCh/CBRx_A_Sk_Provisioning		
OCh/CBRx_A_Sk_MI_Active	True, false	False
OCh/RSn_A_So_Provisioning		
OCh/RSn_A_So_MI_Active	True, false	False
OCh/RSn_A_Sk_Provisioning		
OCh/RSn_A_Sk_MI_Active	True, false	False
OTUk/ODUk_A_So_Provisioning		
OTUk/ODUk_A_So_MI_AdminState	LOCKED, Not LOCKED	Not LOCKED
OTUk/ODUk_A_So_MIAPS_EN	true, false	true
OTUk/ODUk_A_So_MIAPS_LVL	0..6, 0 for path and 1..6 for TCM	–
OTUk/ODUk_A_Sk_Provisioning		
OTUk/ODUk_A_Sk_MI_AdminState	LOCKED, Not LOCKED	Not LOCKED
OTUk/ODUk_A_Sk_MIAPS_EN	true, false	true
OTUk/ODUk_A_Sk_MIAPS_LVL	0..6, 0 for path and 1..6 for TCM	–
OTUkV/ODUk_A_So_Provisioning		
OTUkV/ODUk_A_So_MI_AdminState	LOCKED, Not LOCKED	Not LOCKED
OTUkV/ODUk_A_So_MIAPS_EN	true, false	true
OTUkV/ODUk_A_So_MIAPS_LVL	0..6, 0 for path and 1..6 for TCM	–
OTUkV/ODUk_A_Sk_Provisioning		
OTUkV/ODUk_A_Sk_MI_AdminState	LOCKED, Not LOCKED	Not LOCKED
OTUkV/ODUk_A_Sk_MIAPS_EN	true, false	true
OTUkV/ODUk_A_Sk_MIAPS_LVL	0..6, 0 for path and 1..6 for TCM	–
OTUk/COMMS_A_So_Provisioning		
OTUk/COMMS_A_So_MI_Active	True, false	False
OTUk/COMMS_A_Sk_Provisioning		

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
OTUk/COMMS_A_Sk_MI_Active	True, false	False
OTUkV/COMMS_A_So_Provisioning		
OTUkV/COMMS_A_So_MI_Active	True, false	False
OTUkV/COMMS_A_Sk_Provisioning		
OTUkV/COMMS_A_Sk_MI_Active	True, false	False
ODUkP/CBRx-a_A_So_Provisioning		
ODUkP/CBRx-a_A_So_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/CBRx-b_A_So_Provisioning		
ODUkP/CBRx-b_A_So_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/CBRx_A_Sk_Provisioning		
ODUkP/CBRx_A_Sk_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/CBRx_A_Sk Reporting		
ODUkP/CBRx_A_Sk_MI_AcPT, k=1, 2, 2e, 3; (Note 2)	According to [ITU-T G.709]	Not applicable
ODUkP/CBRx-g_A_So_Provisioning		
ODUkP/CBRx_A_So_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/ CBRx-g_A_Sk_Provisioning		
ODUkP/CBRx_A_Sk_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/ CBRx-g_A_Sk_Report		
ODUkP/CBRx_A_Sk_MI_AcPT, k=1, 2, 2e, 3; (Note 2)	According to [ITU-T G.709]	Not applicable
ODUkP/CBRx-g_A_So_Provisioning		
ODUkP/CBRx_A_So_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/CBRx-g_A_Sk_Provisioning		
ODUkP/CBRx_A_Sk_MI_Active, k=1, 2, 2e, 3; (Note 2)	True, false	False
ODUkP/CBRx_A_Sk_MI_Enable_PCSL_Section_Mon	True, false	False
ODUkP/CBRx-g_A_Sk_Report		
ODUkP/CBRx_A_Sk_MI_AcPT, k=1, 2, 2e, 3; (Note 2)	According to [ITU-T G.709]	Not applicable
ODU0P/CBRx_A_So_Provisioning		
ODU0P/CBRx_A_So_MI_Active, k=0; (Note 3)	True, false	False
ODU0P/CBRx_A_Sk_Provisioning		
ODU0P/CBRx_A_Sk_MI_Active, k=0; (Note 3)	True, false	False
ODU0P/CBRx_A_Sk_Report		
ODU0P/CBRx_A_Sk_MI_AcPT, k=0; (Note 3)	According to [ITU-T G.709]	Not applicable
ODUkP/VP_A_So_Provisioning		
ODUkP/VP_A_So_MI_Active, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_So_MI_CellDiscardActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_So_MI_TPusgActive, k=1, 2, 2e, 3	True, false	False

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP/VP_A_So_MI_GFCActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_So_MI_VPI-KActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk Provisioning		
ODUkP/VP_A_Sk_MI_Active, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_CellDiscardActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_TPusgActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_VPIrange, k=1, 2, 2e, 3	0..4095	Not applicable
ODUkP/VP_A_Sk_MI_HECactive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_GFCactive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_DTDLuseEnabled, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_VPI-KActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk_MI_VPIK_SAISActive, k=1, 2, 2e, 3	True, false	False
ODUkP/VP_A_Sk Reporting		
ODUkP/VP_A_Sk_MI_AcPT, k=1, 2, 2e, 3	According to [ITU-T G.709]	Not applicable
ODUkP/NULl_A_So Provisioning		
ODUkP/NULl_A_So_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/NULl_A_So_MI_Nominal_Bitrate_and_Tolerance	According to [ITU-T G.709]	Not applicable
ODUkP/NULl_A_Sk_Provisioning		
ODUkP/NULl_A_Sk_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/NULl_A_Sk Reporting		
ODUkP/NULl_A_Sk_MI_AcPT, k=0, 1, 2, 2e, 3, 4, flex	According to [ITU-T G.709]	Not applicable
ODUkP/PRBS_A_So Provisioning		
ODUkP/PRBS_A_So_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/PRBS_A_So_MI_Nominal_Bitrate_and_Tolerance	According to [ITU-T G.709]	Not applicable
ODUkP/PRBS_A_Sk_Provisioning		
ODUkP/PRBS_A_Sk_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/PRBS_A_Sk Reporting		
ODUkP/PRBS_A_Sk_MI_AcPT, k=0, 1, 2, 2e, 3, 4, flex	According to [ITU-T G.709]	Not applicable
ODUkP/RSn-a_A_So Provisioning		
ODUkP/RSn-a_A_So_MI_Active, k=1, 2, 3	True, false	False
ODUkP/RSn-b_A_So Provisioning		
ODUkP/RSn-b_A_So_MI_Active, k=1, 2, 3	True, false	False
ODUkP/RSn_A_Sk_Provisioning		
ODUkP/RSn_A_Sk_MI_Active, k=1, 2, 3	True, false	False

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP/RSn_A_Sk Reporting		
ODUkP/RSn_A_Sk_MI_AcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable
ODUkP/ODU[i]j_A_So Provisioning		
ODUkP/ODU[i]j_A_So_MI_Active	True, false	False
ODUkP/ODU[i]j_A_So_MI_AdminState[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	LOCKED, Not LOCKED	Not LOCKED
ODUkP/ODU[i]j_A_So_MI_APS_EN[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	true, false	true
ODUkP/ODU[i]j_A_So_MI_APS_LVL [p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	0..6, 0 for path and 1..6 for TCM	–
ODU3P/ODU12_A_So Provisioning		
ODU3P/ODU12_A_So_MI_TxMSI	According to Table 14-30 of [ITU-T G.798]	Not applicable
ODUkP/ODU[i]j_A_Sk Provisioning		
ODUkP/ODU[i]j_A_Sk_MI_Active	True, false	False
ODUkP/ODU[i]j_A_Sk_MI_AdminState[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	LOCKED, Not LOCKED	Not LOCKED
ODUkP/ODU[i]j_A_Sk_MI_APS_EN[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	true, false	true
ODUkP/ODU[i]j_A_Sk_MI_APS_LVL [p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	0..6, 0 for path and 1..6 for TCM	–
ODU3P/ODU12_A_Sk Provisioning		
ODU3P/ODU12_A_Sk_MI_ExMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	According to Table 14-32 of [ITU-T G.798]	Not applicable
ODUkP/ODU[i]j_A_Sk Reporting		
ODUkP/ODU[i]j_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUkP/ODU[i]j_A_Sk_MI_AcMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP and [p] = [1..m] when doing m x ODUi_CP respectively.	According to [ITU-T G.709]	Not applicable

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP/ODUj-21_A_So Provisioning		
ODUkP/ODUj-21_A_So_MI_Active	True, false	False
ODUkP/ODUj-21_A_So_MI_TxMSI	According to [ITU-T G.798]	Not applicable
ODUkP/ODUj-21_A_So_MI_AUTOpayloadtype NOTE – See Appendix III for Payload Type to Adaptation mapping	According to [ITU-T G.709]	Not applicable
ODUkP/ODUj-21_A_So_MI_ODUType_Rate[i]	According to clause 19.6 of [ITU-T G.709]	Not applicable
ODUkP/ODUj_A_So_MI_AdminState[n]	LOCKED, Not LOCKED	Not LOCKED
ODUkP/ODUj-21_A_So_MIAPS_EN [n]	true, false	true
ODUkP/ODUj-21_A_So_MIAPS_LVL [n]	0..6, 0 for path and 1..6 for TCM	–
ODUkP/ODUj-21_A_So Reporting		
ODUkP/ODUj-21_A_So_MI_TrPT	According to [ITU-T G.709]	Not applicable
ODUkP/ODUj-21_A_Sk Provisioning		
ODUkP/ODUj-21_A_Sk_MI_Active	True, false	False
ODUkP/ODUj-21_A_Sk_MI_ExMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.798]	Not applicable
ODUkP/ODUj-21_A_Sk_MI_AdminState[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	LOCKED, Not LOCKED	Not LOCKED
ODUkP/ODUj-21_A_Sk_MI_Nominal_Bitrate_and_Tolerance[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.709]	Not applicable
ODUkP/ODUj-21_A_Sk_MI_ODUType [p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to clause 19.6 of [ITU-T G.709]	Not applicable
ODUkP/ODUj-21_A_Sk_MIAPS_EN[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	true, false	true
ODUkP/ODUj-21_A_Sk_MIAPS_LVL[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	0..6, 0 for path and 1..6 for TCM	–
ODUkP/ODUj-21_A_Sk Reporting		
ODUkP/ODUj-21_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUkP/ODUj-21_A_Sk_MI_AcMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.709]	Not applicable

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP-h/ETH_A_So Provisioning, k=flex		
ODUkP-h/ETH_A_So_MI_Active	True, false	False
ODUkP-h/ETH_A_So_MI_CSFEnable	True, false	False
ODUkP-h/ETH_A_So_MI_CSFrdfidEnable	True, false	False
ODUkP-h/ETH_A_So_MI_INCREASE	True, false	False
ODUkP-h/ETH_A_So_MI_DECREASE	True, false	False
ODUkP-h/ETH_A_So_MI_TSNUM	According to [ITU-T G.7044]	Not applicable
ODUkP-h/ETH_A_So_MI_Timer	TBD	TBD
ODUkP-h/ETH_A_So_MI_ODUflexRate	FlexCBR, FlexGFP	N/A
ODUkP-h/ETH_A_So Reporting, k=flex		
ODUkP-h/ETH-m_A_So_MI_ADJSTATE	According to [ITU-T G.7044]	Not applicable
ODUkP-h/ETH_A_Sk Provisioning, k=flex		
ODUkP-h/ETH_A_Sk_MI_Active	True, false	False
ODUkP/ETH-h_A_Sk_MI_FilterConfig	According to [ITU-T G.7044]	Not applicable
ODUkP/ETH-h_A_Sk_MI_CSF_Reported	true, false	false
ODUkP/ETH-h_A_Sk_MI_MAC_Length	1518, 1522, 2000	2000
ODUkP-h/ETH_A_Sk_MI_CSFrdfidEnable	True, false	False
ODUkP-h/ETH_A_Sk_MI_INCREASE	True, false	False
ODUkP-h/ETH_A_Sk_MI_DECREASE	True, false	False
ODUkP-h/ETH_A_Sk_MI_Timer	TBD	TBD
ODUkP-h/ETH_A_Sk Reporting; k=1, 2, 3, flex		
ODUkP/ETH_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUkP/ETH_A_Sk_MI_AcEXI	According to [ITU-T G.709]	Not applicable
ODUkP/ETH_A_Sk_MI_AcUPI	According to [ITU-T G.709]	Not applicable
ODUkP-h/ODUj-21_A_So Provisioning; k=2,3,4; j=0,1,2,2e,3,flex		
ODUkP-h/ODUj-21_A_So_MI_Active	True, false	False
ODUkP-h/ODUj-21_A_So_MI_TxMSI[p] [p] = [1...n], when doing n x ODUj_CP	According to [ITU-T G.798]	Not applicable
ODUkP-h/ODUj-21_A_So_MI_AUTOpayloadtype	According to [ITU-T G.798]	Not applicable
ODUkP-h/ODUj-21_A_So_MI_AdminState[p] [p] = [1...n], when doing n x ODUj_CP	According to [ITU-T G.798]	Not applicable
ODUkP-h/ODUj-21_A_So_MIAPS_EN [n]	true, false	true

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP-h/ODUj-21_A_So_MIAPS_LVL [n]	0..6, 0 for path and 1..6 for TCM	–
ODUKP-h/ODUj-21_A_So_MI_INCREASE	True, false	False
ODUKP-h/ODUj-21_A_So_MI_DECREASE	True, false	False
ODUKP-h/ODUj-21_A_So_MI_TSMPA	According to [ITU-T G.7044]	Not applicable
ODUKP-h/ODUj-21_A_So_MI_TPID	According to [ITU-T G.7044]	Not applicable
ODUKP-h/ODUj-21_A_So_MI_Timer	TBD	TBD
ODUKP-h/ODUj-21_A_So Reporting; k=2,3,4; j=0,1,2,2e,3,flex		
ODUKP-h/ODUj-21_A_So_MI_TRPT	According to [ITU-T G.7044]	Not applicable
ODUKP-h/ODUj-21_A_Sk Provisioning; k=2,3,4; j=0,1,2,2e,3,flex		
ODUKP-h/ODUj-21_A_Sk_MI_Active	True, false	False
ODU3P-h /ODUj-21_A_Sk_MI_ExMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.798]	Not applicable
ODUKP-h /ODUj-21_A_Sk_MI_AdminState[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.798]	Not applicable
ODUKP-h /ODUj- 21_A_Sk_MI_Nominal_Bitrate_and_Tolerance[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.709]	Not applicable
ODUKP-h/ODUj-21_A_Sk_MIAPS_EN [p]	true, false	true
ODUKP-h/ODUj-21_A_Sk_MIAPS_LVL [p]	0..6, 0 for path and 1..6 for TCM	–
ODUKP-h/ODUj-21_A_Sk_MI_INCREASE	True, false	False
ODUKP-h/ODUj-21_A_Sk_MI_DECREASE	True, false	False
ODUKP-h/ODUj-21_A_Sk_MI_TSMPA	According to [ITU-T G.7044]	Not applicable
ODUKP-h/ODUj-21_A_Sk_MI_TPID	According to [ITU-T G.7044]	Not applicable
ODUKP-h/ODUj-21_A_Sk_MI_Timer	TBD	TBD
ODUKP-h/ODUj-21_A_Sk Reporting; k=2,3,4; j=0,1,2,2e,3,flex		
ODUKP-h/ODUj-21_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUKP-h/ODUj-21_A_Sk_MI_AcMSI[p] NOTE – [p] = [1...n], when doing n x ODUj_CP.	According to [ITU-T G.709]	Not applicable
ODU2eP/FC-1200_A_So Provisioning		
ODU2eP/FC-1200_A_So_MI_Active	True, False	False
ODU2eP/FC-1200_A_Sk Provisioning		
ODU2eP/FC-1200_A_Sk_MI_Active	True, False	False

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODU2eP/FC-1200_A_Sk Reporting		
ODU2eP/FC-1200_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUkP/COMMS_A_So Provisioning		
ODUkP/COMMS_A_So_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/COMMS_A_So_MI_GCCAccess, k=0, 1, 2, 2e, 3, 4, flex	GCC1, GCC2, GCC1+GCC2	Not applicable
ODUkP/COMMS_A_Sk Provisioning		
ODUkP/COMMS_A_Sk_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUkP/COMMS_A_Sk_MI_GCCAccess, k=0, 1, 2, 2e, 3, 4, flex	GCC1, GCC2, GCC1+GCC2	Not applicable
ODUk/COMMS_AC_So Provisioning		
ODUk/COMMS_AC_So_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUk/COMMS_AC_So_MI_GCCAccess, k=0, 1, 2, 2e, 3, 4, flex	GCC1, GCC2, GCC1+GCC2	Not applicable
ODUk/COMMS_AC_Sk Provisioning		
ODUk/COMMS_AC_Sk_MI_Active, k=0, 1, 2, 2e, 3, 4, flex	True, false	False
ODUk/COMMS_AC_Sk_MI_GCCAccess, k=0, 1, 2, 2e, 3, 4, flex	GCC1, GCC2, GCC1+GCC2	Not applicable
ODUk/COMMS_AC_Sk_MI_GCCCont, k=0, 1, 2, 2e, 3, 4, flex	True, false	True
ODUkT/ODUk_A_So Provisioning		
ODUkT/ODUk_A_So_MI_AdminState, k=0, 1, 2, 2e, 3, 4, flex	LOCKED, Not LOCKED	Not LOCKED
ODUkT/ODUk_A_Sk Provisioning		
ODUkT/ODUk_A_Sk_MI_AdminState, k=0, 1, 2, 2e, 3, 4, flex	LOCKED, Not LOCKED	Not LOCKED
ODUkP-Xv/ODUkP-X-L_A_So Provisioning		
ODUkP-Xv/ODUkP-X-L_A_So_MI_Active, k=1, 2, 3	True, false	False
ODUkP-Xv/ODUkP-X-L_A_Sk Reporting		
ODUkP-Xv/ODUkP-X-L_A_Sk_MI_AcPT[1..XMR], k=1, 2, 3	According to [ITU-T G.709]	Not applicable
ODUkP-Xv/ODUkP-X-L_A_Sk_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/CBRx-a_A_So Provisioning		
ODUkP-X-L/CBRx-a_A_So_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/CBRx-b_A_So_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/CBRx_A_Sk Provisioning		
ODUkP-X-L/CBRx_A_Sk_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/CBRx_A_Sk Reporting		
ODUkP-X-L/CBRx_A_Sk_MI_AcVcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP-X-L/RSn-a_A_So Provisioning		
ODUkP-X-L/RSn-a_A_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/RSn-b_A_So Provisioning		
ODUkP-X-L/RSn-b_A_SO_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/RSn_A_Sk Provisioning		
ODUkP-X-L/RSn_A_Sk_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/RSn_A_Sk Reporting		
ODUkP-X-L/RSn_A_Sk_MI_AcVcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable
ODUkP-X-L/VP_A_So Provisioning		
ODUkP-X-L/VP_A_SO_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_SO_MI_CellDiscardActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_SO_MI_TPusgActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_SO_MI_GFCActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_SO_MI_VPI-KActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk Provisioning		
ODUkP-X-L/VP_A_Sk_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_CellDiscardActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_TPusgActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_VPIrange, k=1, 2, 3	0..4095	Not applicable
ODUkP-X-L/VP_A_Sk_MI_HECActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_GFCActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_DTDLuseEnabled, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_VPI-KActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk_MI_VPI-K_SAISActive, k=1, 2, 3	True, false	False
ODUkP-X-L/VP_A_Sk Reporting		
ODUkP-X-L/VP_A_Sk_MI_AcVcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable
ODUkP-X-L/NULL_A_So Provisioning		
ODUkP-X-L/NULL_A_SO_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/NULL_A_Sk Provisioning		
ODUkP-X-L/NULL_A_Sk_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/NULL_A_Sk Reporting		
ODUkP-X-L/NULL_A_Sk_MI_AcVcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable
ODUkP-X-L/PRBS-a_A_So Provisioning		
ODUkP-X-L/PRBS-a_A_SO_MI_Active, k=1, 2, 3	True, false	False
ODUkP-X-L/PRBS_A_Sk Provisioning		
ODUkP-X-L/PRBS_A_Sk_MI_Active, k=1, 2, 3	True, false	False

**Table 8-2 – Provisioning and reporting for adaptation functions**

MI signal	Value range	Default value
ODUkP-X-L/PRBS_A_Sk Reporting		
ODUkP-X-L/PRBS_A_Sk_MI_AcVcPT, k=1, 2, 3	According to [ITU-T G.709]	Not applicable
NOTE 1 – If the OTUKV has multiframe.		
NOTE 2 – x = 2G5, 10G, 10G3, 40G.		
NOTE 3 – 0 ≤ x ≤ 1.25G.		

**8) Table 10-1 in clause 10.2, Performance management functions**

*Update Table 10-1 in clause 10.2 as shown in revision marks below:*

**Table 10-1 – PM management information**

PM management information	OTN function	PM current data and history data collected in EMF
OTS <sub>n</sub> _TT_Sk_MI_pN_DS-P OTS <sub>n</sub> _TT_Sk_MI_pN_DS-O OTS <sub>n</sub> _TT_Sk_MI_pF_DS-P OTS <sub>n</sub> _TT_Sk_MI_pF_DS-O	OTS <sub>n</sub> _TT_Sk	OTS <sub>n</sub> _TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}(Note 3)
OMS <sub>n</sub> _TT_Sk_MI_pN_DS-P OMS <sub>n</sub> _TT_Sk_MI_pN_DS-O OMS <sub>n</sub> _TT_Sk_MI_pF_DS-P OMS <sub>n</sub> _TT_Sk_MI_pF_DS-O	OMS <sub>n</sub> _TT_Sk	OMS <sub>n</sub> _TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}
OPS <sub>n</sub> _TT_Sk_MI_pN_DS-P	OPS <sub>n</sub> _TT_Sk	OPS <sub>n</sub> _TTP_Sk: nSES, nUAS
OPSM/OTUk-a_A_Sk_MI_pFECcorrErr	OPSM/OTUk-a_A_Sk	OTUk_CTP_Sk: CD/HD: #FECcorrErr
OCh/OTUk-a_A_Sk_MI_pFECcorrErr	OCh/OTUk-a_A_Sk	where #FECcorrErr = count of FEC-corrected Errors
OCh/OTUk-v_A_Sk_MI_pFECcorrErr	OCh/OTUk-v_A_Sk	
OCh/OTUkV_A_Sk_MI_pFECcorrErr (Note 1)	OCh/OTUkV_A_Sk	
OTUk_TT_Sk_MI_pN_EBC OTUk_TT_Sk_MI_pN_DS OTUk_TT_Sk_MI_pF_EBC OTUk_TT_Sk_MI_pF_DS OTUk_TT_Sk_MI_pBIAE OTUk_TT_Sk_MI_pIAE	OTUk_TT_Sk	OTUk_TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}, nBBE, fBBE, (Note 4)
OTUkV_TT_Sk_MI_pN_EBC OTUkV_TT_Sk_MI_pN_DS OTUkV_TT_Sk_MI_pF_EBC OTUkV_TT_Sk_MI_pF_DS OTUkV_TT_Sk_MI_pBIAE (Note 2) OTUkV_TT_Sk_MI_pIAE (Note 2)	OTUkV_TT_Sk	

**Table 10-1 – PM management information**

PM management information	OTN function	PM current data and history data collected in EMF
ODUkP_TT_Sk_MI_pN_EBC ODUkP_TT_Sk_MI_pN_DS ODUkP_TT_Sk_MI_pF_EBC ODUkP_TT_Sk_MI_pF_DS ODUkP_TT_Sk_MI_pN_delay	ODUkP_TT_Sk	ODUkP_TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}, nBBE, fBBE,  Proactive DM is for further study.  See clause 14.2.1 of [ITU-T G.798] for pN_Delay
ODUkP/CBRx_A_So_MI_pN_PCS_BIP	ODUkP/CBRx_A_So	CBRx or generic client layer CTP_So: Sum of pN_PCS_BIP
ODUkP/CBRx_A_Sk_MI_pN_PCS_BIP	ODUkP/CBRx_A_Sk	CBRx or generic client layer CTP_Sk: Sum of pN_PCS_BIP
ODUkP/PRBS_A_Sk_MI_pN_TSE	ODUkP/PRBS_A_Sk	PRBS or generic client layer CTP_Sk: Sum of pN_TSE
ODUkP/ETH_A_Sk_MI_pFCSErrors	ODUkP/ETH_A_Sk	ETH or generic client layer CTP_Sk: Sum of pFCSErrors
ODUKT_TT_Sk_MI_pN_EBC ODUKT_TT_Sk_MI_pN_DS ODUKT_TT_Sk_MI_pF_EBC ODUKT_TT_Sk_MI_pF_DS ODUKT_TT_Sk_MI_pN_delay ODUKT_TT_Sk_MI_pBIAE ODUKT_TT_Sk_MI_pIAE	ODUKT_TT_Sk	ODUKT_TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}, nBBE, fBBE,  Proactive DM is for further study.  See clause 14.2.1 of [ITU-T G.798] for pN_Delay(Note 4)
ODUKTm_TT_Sk_MI_pN_EBC ODUKTm_TT_Sk_MI_pN_DS ODUKTm_TT_Sk_MI_pF_EBC ODUKTm_TT_Sk_MI_pF_DS ODUKTm_TT_Sk_MI_pBIAE ODUKTm_TT_Sk_MI_pIAE	ODUKTm_TT_Sk	ODUKTm_TTP_Sk: nSES, fSES, {UAS nUAS, fUAS}, nBBE, fBBE,  (Note 4)
ODUkP-X-L/PRBS_A_Sk_MI_pN_TSE	ODUkP-X-L/PRBS_A_Sk	PRBS or generic client layer CTP_Sk: Sum of pN_TSE

**Table 10-1 – PM management information**

<b>PM management information</b>	<b>OTN function</b>	<b>PM current data and history data collected in EMF</b>
OSx_TT_Sk_MI_pN_DS	OSx_TT_Sk	OSx_TTP_Sk: nSES, nUAS

NOTE 1 – If the function performs FEC.

NOTE 2 – In case of frame-synchronous mapping of ODUk client signal.

NOTE 3 – {UAS|nUAS, fUAS} means bidirectional UAS or Unidirectional "nUAS and fUAS".

NOTE 4 – pIAE and pBIAE are used for the suppression of the PM data in the equipment management functions. If pBIAE is active, the F\_DS and F\_EBC values of the previous and current second have to be discarded (EBC = 0 and DS = false). If pIAE is active, the N/F\_DS and N/F\_EBC and N\_delay values of the previous and current second have to be discarded (EBC = 0 and DS = false). The previous second has to be included due to the delay of the IAE information coming from the remote source.



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