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Abstract

This document provides Draft Amendment 1 to G.8151/Y.1374 (for consent).

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Draft Amendment 1 to Recommendation ITU-T G.8151/Y.1374 (2014)

Management aspects of the MPLS-TP network element: Amendment 1

Summary

Amendment 1 to Recommendation ITU-T G.8151/Y.1374 (2014) provides:

- Add the APS related MI signals for provisioning and reporting for connection functions in Table 8-4 to align with G.8121
- Removed APS related MI signals for provisioning and reporting for adaptation functions Table 8-2 to align with G.8121
- Added new MI signals of intermediate request for LMo, DMo, SLo, and 1DMo to Table 8-3 to align with G.8121
- Added new MI signals for proactive measurements to Table 8-1, to align with G.8121, as:
 - Add MT_TT_ {So/Sk}_1SLp
 - Add MT_TT_ {So/Sk}_MI_1LMp_Enable (Also Removed MT_TT_ {So/Sk}_LMC_Enable from Table 8-1.1)
 - Add [1...M] to MT_TT_ {So/Sk}_ {LMp/DMp/1DMp/1SLp}_OAM_Tool
- Rename ODCV to CV in Table 8-3.2 to align with G.8121.2

Draft Amendment 1 to Recommendation ITU-T G.8151/Y.1374 (2014)

Management aspects of the MPLS-TP network element: Amendment 1

Text correction for ITU-T G.8151/Y.1374

1) Clause 2, References

Update the following References as below:

- [ITU-T G.8013/Y.1731] Recommendation ITU-T G.8013/Y.1731 (~~2013~~2015), *OAM functions and mechanisms for Ethernet based networks*
- [ITU-T G.8113.1/Y.1371.1] Recommendation ITU-T G.8113.1/Y.1371.1 (201~~5~~3), *Operations, administration and maintenance mechanism for MPLS-TP in packet transport networks*
- [ITU-T G.8113.2/Y.1372.2] Recommendation ITU-T G.8113.2 (201~~5~~3), *Operations, administration and maintenance mechanisms for MPLS-TP networks using the tools defined for MPLS.*[YTI]
- [ITU-T G.8121/Y.1381] Recommendation ITU-T G.8121/Y.1381 (201~~5~~3), *Characteristics of MPLS Transport Profile (MPLS-TP) equipment functional blocks*
- [ITU-T G.8121.1/Y.1381.1] Recommendation ITU-T G.8121.1/Y.1381.1 (201~~5~~3), *Characteristics of MPLS Transport Profile (MPLS-TP) equipment functional blocks supporting G.8113.1/Y.1372.1 OAM mechanisms*
- [ITU-T G.8121.2/Y.1381.2] Recommendation ITU-T G.8121.2/Y.1381.2 (201~~5~~3), *Characteristics of MPLS Transport Profile (MPLS-TP) equipment functional blocks supporting G.8113.2/Y.1372.2 OAM mechanisms*

2) Clause 8.4, Trail Termination

Update Table 8-1 as below:

Table 8-1/G.8151/Y.1374 – Provisioning and reporting for termination functions

MI Signal	Value Range	Default Value
MT_TT_So Provisioning		
MT_TT_So_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study. ▪
MT_TT_So_MI_TTLVALUE	0..255	255
MT_TT_So_MI_MEG_ID	String; values are OAM protocol-specific	Note-1

MI Signal	Value Range	Default Value
MT_TT_So_MI_MEP_ID	String; values are OAM protocol-specific	Note-1
MT_TT_So_MI_CC_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_RDI_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_CC_Enable	true, false	false
MT_TT_So_MI_CVp_Enable	true, false Note: The combination of MT_TT_So_MI_CC_Enable =false and MT_TT_So_MI_CVp_Enable=true is not allowed.	false
MT_TT_So_MI_CC_CoS	0, 1, 2, 3, 4, 5, 6, 7	7
MT_TT_So_MI_CC_Period	3.33 msec, 10 msec, 100 msec, 1sec, 10 sec, 1 min, 10 min	100 msec
<u>MT_TT_So_MI_1LMp_Enable</u>	<u>true, false</u>	<u>false</u>
MT_TT_So_MI_LMp_OAM_Tool[1... M _{LMp}]	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_LMp_Enable[1... M _{LMp}]	true, false	false
MT_TT_So_MI_LMp_Period[1... M _{LMp}]	100ms, 1s, 10s	100ms
MT_TT_So_MI_LMp_CoS[1... M _{LMp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_So_MI_DMp_OAM_Tool[1... M _{DMp}]	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_DMp_Enable[1... M _{DMp}]	true, false	false
MT_TT_So_MI_DMp_Period[1... M _{DMp}]	100ms, 1s, 10s	100ms
MT_TT_So_MI_DMp_Test_ID[1... M _{DMp}]	-- (Note 2)	--
MT_TT_So_MI_DMp_CoS[1... M _{DMp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_So_MI_DMp_Length[1... M _{DMp}]	Non-negative integer representing number of bytes for the length of the padding TLV.	0
MT_TT_So_MI_1DMp_OAM_Tool[1... M _{1DMp}]	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_1DMp_Enable[1... M _{1DMp}]	true, false	false
MT_TT_So_MI_1DMp_Period[1... M _{1DMp}]	100ms, 1s, 10s	100ms
MT_TT_So_MI_1DMp_Test_ID[1... M _{1DMp}]	-- (Note 2)	--
MT_TT_So_MI_1DMp_CoS[1... M _{1DMp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_So_MI_1DMp_Length[1... M _{1DMp}]	Non-negative integer representing number of bytes for the length of the padding TLV.	0
MT_TT_So_MI_SLP_OAM_Tool[1... M _{SLp}]	G.8113.1, G.8113.2	N/A
MT_TT_So_MI_SLP_Enable[1... M _{SLp}]	true, false	false

MI Signal	Value Range	Default Value
MT_TT_So_MI_SLp_Period[1... M _{SLp}]	100ms, 1s, 10s	100ms
MT_TT_So_MI_SLp_Test_ID[1... M _{SLp}]	-- (Note 2)	--
MT_TT_So_MI_SLp_CoS[1... M _{SLp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_So_MI_SLp_Length[1... M _{SLp}]	Non-negative integer representing number of bytes for the length of the padding TLV.	0
<u>MT_TT_So_MI_1SLp_OAM_Tool[1...M_{1SLp}]</u>	<u>G.8113.1, G.8113.2</u>	<u>N/A</u>
<u>MT_TT_So_MI_1SLp_Enable[1...M_{1SLp}]</u>	<u>true, false</u>	<u>false</u>
<u>MT_TT_So_MI_1SLp_Period[1...M_{1SLp}]</u>	<u>100ms, 1s, 10s</u>	<u>100ms</u>
<u>MT_TT_So_MI_1SLp_CoS[1...M_{1SLp}]</u>	<u>0, 1, 2, 3, 4, 5, 6, 7</u>	<u>--</u>
<u>MT_TT_So_MI_1SLp_Test_ID[1...M_{1SLp}]</u>	<u>-- (Note 2)</u>	<u>--</u>
<u>MT_TT_So_MI_1SLp_Length[1...M_{1SLp}]</u>	<u>Non-negative integer representing number of bytes for the length of the padding TLV.</u>	<u>0</u>
MT_TT_Sk Provisioning		
MT_TT_Sk_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study.
MT_TT_Sk_MI_MEG_ID	String; values are OAM protocol-specific	Note-2
MT_TT_Sk_MI_PeerMEP_ID	String; values are OAM protocol-specific	Empty list
MT_TT_Sk_MI_CC_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_RDI_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_CC_Enable	true, false	false
MT_TT_Sk_MI_CVp_Enable	true, false Note: The combination of MT_TT_Sk_MI_CC_Enable =false and MT_TT_Sk_MI_CVp_Enable=true is not allowed.	false
MT_TT_Sk_MI_CC_Period	3.33 msec, 10 msec, 100 msec, 1sec, 10 sec, 1 min, 10 min	100 msec
MT_TT_Sk_MI_CC_CoS	0, 1, 2, 3, 4, 5, 6, 7	7

MI Signal	Value Range	Default Value
MT_TT_Sk_MI_Get_SvdCC	Last received CC frame(s) that caused defect	--
<u>MT_TT_Sk_MI_1LMp_Enable</u>	<u>true, false</u>	<u>false</u>
MT_TT_Sk_MI_LMp_OAM_Tool[1... <u>M_{LMp}</u>]	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_LMp_Enable[1... M _{LMp}]	true, false	false
MT_TT_Sk_MI_LMp_CoS[1... M _{LMp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_Sk_MI_LM_DEGM	2-10; See Table 7-1/G.806	10
MT_TT_Sk_MI_LM_M	2-10	10
MT_TT_Sk_MI_LM_DEGTHR	0% .. 100%; See Table 7-1/G.806	30%
MT_TT_Sk_MI_LM_TFMIN	FFS	FFS
MT_TT_Sk_MI_1second	--	--
MT_TT_Sk_MI_DMp_OAM_Tool[1... <u>M_{DMp}</u>]	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_DMp_Enable[1... M _{DMp}]	true, false	false
MT_TT_Sk_MI_DMp_CoS[1... M _{DMp}]	0, 1, 2, 3, 4, 5, 6, 7	--
MT_TT_Sk_MI_1DMp_OAM_Tool[1... <u>M_{1DMp}</u>]	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_1DMp_Enable[1...M _{1DMp}]	true, false	false
MT_TT_Sk_MI_1DMp_Test_ID[1...M _{1DMp}]	-- (Note 2)	--
MT_TT_Sk_MI_SLp_OAM_Tool[1... <u>M_{SLp}</u>]	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_SLp_Enable[1... M _{SLp}]	true, false	false
MT_TT_Sk_MI_SLp_CoS[1... M _{SLp}]	0, 1, 2, 3, 4, 5, 6, 7	--
<u>MT_TT_Sk_MI_1SLp_OAM_Tool</u>	<u>G.8113.1, G.8113.2</u>	<u>N/A</u>
<u>MT_TT_Sk_MI_1SLp_Enable[1... M_{1SLp}]</u>	<u>true, false</u>	<u>false</u>
<u>MT_TT_Sk_MI_1SLp_Test_ID[1... M_{1SLp}]</u>	<u>-- (Note 2)</u>	<u>--</u>
MT_TT_Sk_MI_AIS_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_Sk_MI_LCK_OAM_Tool	G.8113.1, G.8113.2	N/A
MT_TT_Sk Reporting		
MT_TT_Sk_MI_SvdCC	Last received CC packet(s) that causes the defect	--

3) Clause 8.4.1, Trail Termination – G.8121.1 Specific

Update Clause 8.4.1 as below:

8.4.1 Trail Termination – G.8121.1 Specific

For MT.NE that supports the MT_TT function specified in [ITU-T G.8121.1/Y.1381.1], ~~the EMF shall in addition support the management of the MIs listed in Table 8-1.~~ there is no additional MI to be managed beyond those listed in Table 8-2 above.

Table 8-1.1/G.8151/Y.1374 – Provisioning and reporting for termination functions

MI Signal	Value Range	Default Value
MT_TT_So Provisioning		
MT_TT_So_MI_LMC_Enable	true, false	false
MT_TT_Sk Provisioning		
MT_TT_Sk_MI_LMC_Enable	true, false	false

Note: In [ITU-T G.8121.1/Y1381.1], MI_LMC_Enable and MI_LML_Enable are used to mean MI_1LMp_Enable and MI_LMp_Enable as described in [ITU-T G.8121/Y.1381].

4) Clause 8.5, Adaptation

Update Table 8-2 as below:

Table 8-2/G.8151/Y.1374 – Provisioning and reporting for adaptation functions

MI Signal	Value Range	Default Value
MT/MT_A_So Provisioning		
MT/MT_A_So_MI_Admin_State	LCK, Normal	Normal
MT/MT_A_So_MI_Label [1...M]	16 to (2**20)-1	Note-2
MT/MT_A_So_MI_LSPTYPE[1...M]	E-LSP, L-LSP	Note-1
MT/MT_A_So_MI_CoS[1...M]	Note-1	Note-1
MT/MT_A_So_MI_PHB2EXPMapping[1...M]	Note-1	Note-1
MT/MT_A_So_MI_QoSEncodingMode[1...M]	A, B (Note-4)	Note-2
MT/MT_A_So_MI_Mode	Mode 1, Mode 2	Mode 1
MT/MT_A_So_MI_LCK_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
MT/MT_A_So_MI_LCK_Period[1...M]	1 s, 1 min	1 s
MT/MT_A_So_MI_LCK_CoS[1...M]	0..7	7
MT/MT_A_So_MI_APS_OAM_Tool[1...M]	FFS	FFS
MT/MT_A_So_MI_APS_CoS[1...M]	0..7	7
MT/MT_A_So_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study

MI Signal	Value Range	Default Value
MT/MT_A_Sk Provisioning		
MT/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
MT/MT_A_Sk_MI_Label [1...M]	16 to (2**20)-1	Note-2
MT/MT_A_Sk_MI_LSPType[1...M]	E-LSP, L-LSP	Note-1
MT/MT_A_Sk_MI_CoS[1...M]	Note-1	Note-1
MT/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
MT/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-2
MT/MT_A_Sk_MI_Mode	Mode 1, Mode 2	Mode 1
MT/MT_A_Sk_MI_AIS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
MT/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
MT/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	7
MT/MT_A_Sk_MI_LCK_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
MT/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
MT/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	7
MT/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
MT/MT_A_Sk_MI_GAL_Enable [1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MTDi/MT_A_Sk Provisioning		
MTDi/MT_A_Sk_MI_DS_MP_Type Note: This MI should be properly configured by the EMF on the basis of the MPLS-TP connection configuration within the node but not exposed to the operator as a configuration parameter in the NE/EMS management interface. See G.8121 clause 9.4.2.2.2 and its Appendix I for examples of configuration of this MI.	MEP, MIP	--
MT/ETH_A_So Provisioning		
MT/ETH_A_So_MI_Admin_State	LCK, Normal	Normal
MT/ETH_A_So_MI_FCSEnable	true, false	true
MT/ETH_A_So_MI_CWEnable	true, false	true
MT/ETH_A_So_MI_SQUse	true, false	false
MT/ETH_A_So_MI_PRI2CoSMapping	Note-1	Note-1
MT/ETH_A_So_MI_MEP_MAC* (Note-3)	6 byte Unicast MAC address	--
MT/ETH_A_So_MI_Client_MEL* (Note-3)	0..7	7
MT/ETH_A_So_MI_LCK_Period* (Note-3)	1 s, 1 min	1 s
MT/ETH_A_So_MI_LCK_Pri* (Note-3)	0..7	7

MI Signal	Value Range	Default Value
MT/ETH_A_So_MI_MEL* (Note-3)	0..7	7
MT/ETH_A_Sk Provisioning		
MT/ETH_A_Sk_MI_FCSEnable	true, false	true
MT/ETH_A_Sk_MI_CWEnable	true, false	false
MT/ETH_A_Sk_MI_SQUse	true, false	false
MT/ETH_A_Sk_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MT/ETH_A_Sk_MI_CoS2PRIMapping	Note-1	Note-1
MT/ETH_A_Sk_MI_MEL* (Note-3)	0..7	7
MT/ETH_A_Sk_MI_Admin_State	LCK, Normal	Normal
MT/ETH_A_Sk_MI_LCK_Period * (Note-3)	1 s, 1 min	1 s
MT/ETH_A_Sk_MI_LCK_Pri * (Note-3)	0..7	7
MT/ETH_A_Sk_MI_Client_MEL * (Note-3)	0..7	7
MT/ETH_A_Sk_MI_MEP_MAC * (Note-3)	6 byte Unicast MAC address	--
MT/ETH_A_Sk_MI_AIS_Pri *(Note-3)	0..7	7
MT/ETH_A_Sk_MI_AIS_Period *(Note-3)	1 s, 1 min	1 s
MT/SCC_A_So Provisioning		
MT/SCC_A_So_MI_Active	true, false	true
MT/SCC_A_So_MI_ECC_CoS	0..7	7
MT/SCC_A_So_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MT/SCC_A_Sk Provisioning		
MT/SCC_A_Sk_MI_Active	true, false	true
MT/SCC_A_Sk_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MT/MCC_A_So Provisioning		

MI Signal	Value Range	Default Value
MT/MCC_A_So_MI_Active	true, false	true
MT/MCC_A_So_MI_ECC_CoS	0..7	7
MT/MCC_A_So_MI_GAL_enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MT/MCC_A_Sk Provisioning		
MT/MCC_A_Sk_MI_Active	true, false	true
MT/MCC_A_Sk_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Sn/MT_A_So Provisioning		
Sn/MT_A_So_MI_SCCType	0..255	32
Sn/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sn/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Sn/MT_A_So_MI_CoS[1...M]	0..7	--
Sn/MT_A_So_PHB2TCMapping[1...M]	Note-1	--
Sn/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	--
Sn/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sn/MT_A_Sk Provisioning		
Sn/MT_A_Sk_MI_SCCType	0..255	32
Sn/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sn/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	Note-1
Sn/MT_A_Sk_MI_CoS[1...M]	Note-1	Note-1
Sn/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Sn/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Sn/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sn/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Sn/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Sn/MT_A_Sk_MI_LCK_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sn/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Sn/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Sn/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Sn/MT_A_Sk_MI_AIS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
Sn/MT_A_Sk_MI_APS_CoS[1...M]	0..7	--

MI Signal	Value Range	Default Value
Sn/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Sn/MT_A_Sk_MI_GAL_enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Sn/MT_A_Sk Reporting		
Sn/MT_A_Sk_MI_AcSL (see Table 9-11 of G.707)	0..255	--
Sn/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
Sn/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
Sn-X-L/MT_A_So Provisioning		
Sn-X-L/MT_A_So_MI_SCCType (See Table 6-3 of G.7041)	0..255	32
Sn-X-L/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sn-X-L/MT_A_So_MI_LSPType[1...M]	E-LSP, L-LSP	--
Sn-X-L/MT_A_So_MI_CoS[1...M]	0..7	Note-1
Sn-X-L/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
Sn-X-L/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
Sn-X-L/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sn-X-L/MT_A_Sk Provisioning		
Sn-X-L/MT_A_Sk_MI_SCCType (See Table 6-3 of G.7041)	0..255	32
Sn-X-L/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sn-X-L/MT_A_Sk_MI_LSPType[1...M]	E-LSP, L-LSP	--
Sn-X-L/MT_A_Sk_MI_CoS[1...M]	0..7	Note-1
Sn-X-L/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Sn-X-L/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Sn-X-L/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sn-X-L/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Sn-X-L/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Sn-X-L/MT_A_Sk_MI_LCK_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sn-X-L/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Sn-X-L/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Sn-X-L/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Sn-X-L/MT_A_Sk_MI_AIS_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sn-X-L/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Sn-X-L /MT_A_Sk_MI_GAL_Enable [1...M]	true, false	Note: MI_GAL_Enable must

MI Signal	Value Range	Default Value
		be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Sn-X-L/MT_A_Sk Reporting		
Sn-X-L/MT_A_Sk_MI_AcSL (see Table 9-11 of G.707)	0..255	--
Sn-X-L/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
Sn-X-L/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
Sm/MT_A_So Provisioning		
Sm/MT_A_So_MI_SCCType	0..255	32
Sm/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sm/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Sm/MT_A_So_MI_CoS[1...M]	0..7	--
Sm/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
Sm/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
Sm/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sm/MT_A_Sk Provisioning		
Sm/MT_A_Sk_MI_SCCType	0..255	32
Sm/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sm/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	---
Sm/MT_A_Sk_MI_CoS[1...M]	0..7	--
Sm/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Sm/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Sm/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sm/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Sm/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Sm/MT_A_Sk_MI_LCK_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sm/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Sm/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Sm/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Sm/MT_A_Sk_MI_AIS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
Sm/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Sm/MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting

MI Signal	Value Range	Default Value
		it to true for PWs is for further study
Sm/MT_A_Sk Reporting		
Sm/MT_A_Sk_MI_AcSL (see Table 9-12 and Table 9-13 of G.707)	0..255	--
Sm/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
Sm/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
Sm-X-L/MT_A_So Provisioning		
Sm-X-L/MT_A_So_MI_SCCType	0..255	32
Sm-X-L/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sm-X-L/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Sm-X-L/MT_A_So_MI_CoS[1...M]	0..7	--
Sm-X-L/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
Sm-X-L/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
Sm-X-L/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sm-X-L/MT_A_Sk Provisioning		
Sm-X-L/MT_A_Sk_MI_SCCType	0..255	32
Sm-X-L/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Sm-X-L/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Sm-X-L/MT_A_Sk_MI_CoS[1...M]	0..7	--
Sm-X-L/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Sm-X-L/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Sm-X-L/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Sm-X-L/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Sm-X-L/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Sm-X-L/MT_A_Sk_MI_LCK_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sm-X-L/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Sm-X-L/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Sm-X-L/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Sm-X-L/MT_A_Sk_MI_AIS_OAM_Tool [1...M]	G.8113.1, G.8113.2	N/A
Sm-X-L/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Sm-X-L/MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Sm-X-L/MT_A_Sk Reporting		
Sm-X-L/MT_A_Sk_MI_AcSL	0..255	--

MI Signal	Value Range	Default Value
Sm-X-L/MT_A_Sk_MI_AcEXI	0..15	--
Sm-X-L/MT_A_Sk_MI_LastValidUPI	0..255	--
Pq/MT_A_So Provisioning		
Pq/MT_A_So_MI_SCCType	0..255	32
Pq/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Pq/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Pq/MT_A_So_MI_CoS[1...M]	0..7	--
Pq/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
Pq/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
Pq/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Pq/MT_A_Sk Provisioning		
Pq/MT_A_Sk_MI_SCCType	0..255	32
Pq/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Pq/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Pq/MT_A_Sk_MI_CoS[1...M]	0..7	--
Pq/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Pq/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Pq/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Pq/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Pq/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Pq/MT_A_Sk_MI_LCK_Tool[1...M]	G.8113.1, G.8113.2	N/A
Pq/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Pq/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Pq/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Pq/MT_A_Sk_MI_AIS_Tool[1...M]	G.8113.1, G.8113.2	N/A
Pq/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Pq/MT_A_Sk_MI_GAL_Enable [1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Pq/MT_A_Sk Reporting		
Pq/MT_A_Sk_MI_AcSL (see Clause 2.1.2 of G.832)	0..7	--
Pq/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
Pq/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
Pq-X-L/MT_A_So Provisioning		
Pq-X-L/MT_A_So_MI_SCCType	0..255	32

MI Signal	Value Range	Default Value
Pq-X-L/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
Pq-X-L/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Pq-X-L/MT_A_So_MI_CoS[1...M]	0..7	--
Pq-X-L/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
Pq-X-L/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
Pq-X-L /MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Pq-X-L/MT_A_Sk Provisioning		
Pq-X-L/MT_A_Sk_MI_SCCType	0..255	32
Pq-X-L/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
Pq-X-L/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
Pq-X-L/MT_A_Sk_MI_CoS[1...M]	0..7	--
Pq-X-L/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
Pq-X-L/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
Pq-X-L/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
Pq-X-L/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
Pq-X-L/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
Pq-X-L/MT_A_Sk_MI_LCK_Tool[1...M]	G.8113.1, G.8113.2	N/A
Pq-X-L/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
Pq-X-L/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
Pq-X-L/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
Pq-X-L/MT_A_Sk_MI_AIS_Tool[1...M]	G.8113.1, G.8113.2	N/A
Pq-X-L/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
Pq-X-L//MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
Pq-X-L/MT_A_Sk Reporting		
Pq-X-L/MT_A_Sk_MI_AcSL	0..7	--
Pq-X-L/MT_A_Sk_MI_AcEXI	0..15	--
Pq-X-L/MT_A_Sk_MI_LastValidUPI	0..255	--
ODUKP/MT_A_So Provisioning		
ODUKP/MT_A_So_MI_Active	true, false	false
ODUKP/MT_A_So_MI_SCCType	0..255	32
ODUKP/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
ODUKP/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ODUKP/MT_A_So_MI_CoS[1...M]	0..7	--
ODUKP/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1

MI Signal	Value Range	Default Value
ODUKP/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
ODUKP/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ODUKP/MT_A_Sk Provisioning		
ODUKP/MT_A_Sk_MI_Active	true, false	false
ODUKP/MT_A_Sk_MI_SCCType	0..255	32
ODUKP/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
ODUKP/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ODUKP/MT_A_Sk_MI_CoS[1...M]	0..7	--
ODUKP/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
ODUKP/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
ODUKP/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ODUKP/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
ODUKP/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
ODUKP/MT_A_Sk_MI_LCK_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
ODUKP/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
ODUKP/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
ODUKP/MT_A_Sk_MI_AIS_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
ODUKP/MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
ODUKP/MT_A_Sk Reporting		
ODUKP/MT_A_Sk_MI_AcPT (see Table 15-8 of G.709)	0..255	--
ODUKP/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
ODUKP/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
ODUKP-X-L/MT_A_So Provisioning		
ODUKP-X-L/MT_A_So_MI_Active	true, false	false
ODUKP-X-L/MT_A_So_MI_SCCType	0..255	32
ODUKP-X-L/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
ODUKP-X-L/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ODUKP-X-L/MT_A_So_MI_CoS[1...M]	0..7	--
ODUKP-X-L/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1

MI Signal	Value Range	Default Value
ODUKP-X-L/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-1
ODUKP-X-L/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ODUKP-X-L/MT_A_Sk Provisioning		
ODUKP-X-L/MT_A_Sk_MI_Active	true, false	false
ODUKP-X-L/MT_A_Sk_MI_SCCType	0..255	32
ODUKP-X-L/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
ODUKP-X-L/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ODUKP-X-L/MT_A_Sk_MI_CoS[1...M]	0..7	--
ODUKP-X-L/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
ODUKP-X-L/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
ODUKP-X-L/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ODUKP-X-L/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
ODUKP-X-L/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	--
ODUKP-X-L/MT_A_Sk_MI_LCK_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-X-L/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
ODUKP-X-L/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
ODUKP-X-L/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	--
ODUKP-X-L/MT_A_Sk_MI_AIS_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-X-L/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FFS	FFS
ODUKP-X-L/MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
ODUKP-X-L/MT_A_Sk Reporting		
ODUKP-X-L/MT_A_Sk_MI_AcVcPT (see Table 15-8 of G.709)	0..255	--
ODUKP-X-L/MT_A_Sk_MI_AcEXI (see Table 6-2 of G.7041)	0..15	--
ODUKP-X-L/MT_A_Sk_MI_LastValidUPI (see Table 6-3 of G.7041)	0..255	--
ODUKP-h/MT_A_So provisioning		
ODUKP-h/MT_A_So_MI_Active	true, false	false
ODUKP-h/MT_A_So_MI_SCCType	0..255	32
ODUKP-h/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
ODUKP-h/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ODUKP-h/MT_A_So_MI_CoS[1...M]	0..7	--

MI Signal	Value Range	Default Value
ODUKP-h/MT_A_So_PHB2TCMapping[1...M]	Note-1	--
ODUKP-h/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	--
ODUKP-h/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ODUKP-h/MT_A_So_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study.
ODUKP-h/MT_A_So_MI_APS_OAM_CoS[1...M]	0..7	7
ODUKP-h/MT_A_So_MI_APS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-h/MT_A_So_MI_INCREASE	true, false	false
ODUKP-h/MT_A_So_MI_DECREASE	true, false	false
ODUKP-h/MT_A_So_MI_TSNUM	According to [ITU-T G.7044]	Not applicable
ODUKP-h/MT_A_So_MI_ODUflexRate	FlexCBR, FlexGFP	N/A
ODUKP-h/MT_A_So reporting		
ODUKP-h/MT_A_So_MI_ADJSTATE	According to [ITU-T G.7044]	Not applicable
ODUKP-h/MT_A_Sk provisioning		
ODUKP-h/MT_A_Sk_MI_Active	true, false	false
ODUKP-h /MT_A_Sk_MI_SCCType	true, false	false
ODUKP-h /MT_A_Sk_MI_Label[1...M]	0..255	32
ODUKP-h /MT_A_Sk_MI_LSPTType[1...M]	16 to (2**20)-1	Note-2
ODUKP-h /MT_A_Sk_MI_CoS[1...M]	E-LSP, L-LSP	--
ODUKP-h /MT_A_Sk_MI_TC2PHBMapping[1...M]	0..7	--
ODUKP-h /MT_A_Sk_MI_QoSDecodingMode[1...M]	Note-1	--
ODUKP/MT_A_Sk_MI_Mode[1...M]	A, B	--
ODUKP-h /MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
ODUKP-h /MT_A_Sk_MI_LCK_CoS[1...M]	0..7	7
ODUKP-h /MT_A_Sk_MI_LCK_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-h /MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
ODUKP-h /MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
ODUKP-h /MT_A_Sk_MI_AIS_CoS[1...M]	0..7	7
ODUKP-h /MT_A_Sk_MI_AIS_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-h /MT_A_Sk_MI_GAL_Enable[1...M]	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting

MI Signal	Value Range	Default Value
		it to true for PWs is for further study.
ODUKP-h/MT_A_Sk_MI_APS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
ODUKP-h/MT_A_Sk_MI_INCREASE	true, false	false
ODUKP-h/MT_A_Sk_MI_DECREASE	true, false	false
ODUKP-h/MT_A_Sk reporting		
ODUKP-h/MT_A_Sk_MI_AcPT	According to [ITU-T G.709]	Not applicable
ODUKP-h/MT_A_Sk_MI_AcEXI	According to [ITU-T G.709]	Not applicable
ODUKP-h/MT_A_Sk_MI_LastValidUPI	According to [ITU-T G.709]	Not applicable
ETH/MT_A_So Provisioning		
ETH/MT_A_So_MI_Label[1...M]	16 to (2**20)-1	Note-2
ETH/MT_A_So_MI_LSPTType[1...M]	E-LSP, L-LSP	Note-1
ETH/MT_A_So_MI_CoS[1...M]	Note-1	Note-1
ETH/MT_A_So_PHB2TCMapping[1...M]	Note-1	Note-1
ETH/MT_A_So_MI_QoSEncodingMode[1...M]	A, B	Note-2
ETH/MT_A_So_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ETH/MT_A_So_MI_Etype		
ETH/MT_A_Sk Provisioning		
ETH/MT_A_Sk_MI_Label[1...M]	16 to (2**20)-1	Note-2
ETH/MT_A_Sk_MI_LSPTType[1...M]	E-LSP, L-LSP	--
ETH/MT_A_Sk_MI_CoS[1...M]	0..7	--
ETH/MT_A_Sk_MI_TC2PHBMapping[1...M]	Note-1	Note-1
ETH/MT_A_Sk_MI_QoSDecodingMode[1...M]	A, B	Note-1
ETH/MT_A_Sk_MI_Mode[1...M]	Mode 1, Mode 2	Mode 1
ETH/MT_A_Sk_MI_LCK_Enable[1...M]	true, false	true
ETH/MT_A_Sk_MI_LCK_Period[1...M]	1 s, 1 min	1 s
ETH/MT_A_Sk_MI_LCK_CoS[1...M]	0..7	7
ETH/MT_A_Sk_MI_LCK_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
ETH/MT_A_Sk_MI_Admin_State	LCK, Normal	Normal
ETH/MT_A_Sk_MI_AIS_Enable[1...M]	true, false	true
ETH/MT_A_Sk_MI_AIS_Period[1...M]	1 s, 1 min	1 s
ETH/MT_A_Sk_MI_AIS_CoS[1...M]	0..7	7
ETH/MT_A_Sk_MI_AIS_OAM_Tool[1...M]	G.8113.1, G.8113.2	N/A
ETH/MT_A_Sk_MI_APS_CoS[1...M]	0..7	7
ETH/MT_A_Sk_MI_APS_OAM_Tool[1...M]	FPS	FPS

Note-1: According to [ITU-T G.8121/Y.1381]

Note-2: A value must be provided at provisioning.

Note-3: * indicates ETH OAM related.

Note-4: See Clause 8.2.1 of G.8121 for the semantic of A and B.

5) Clause 8.6, Diagnostic

Update Table 8-3 as below:

Table 8-3 G.8151/Y.1374 – Provisioning and reporting for diagnostic trail termination function

MI Signal	Value Range	Default Value
MTDe_TT_So Provisioning		
MTDe_TT_So_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study
MTDe_TT_So_MI_TTLVALUE	0..255	255
MTDe_TT_So_MI_CV_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_CV_Series ()	See Tables 8-3.1 and 8-3.2 for the respective parameters and values	See Tables 8-3.1 and 8-3.2 for the respective parameters and values
MTDe_TT_So_MI_1TH_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_1TH_Start(CoS, Pattern, Length,Period) Note: Pattern is G.8121.1 specific	CoS: 0..7 Length: 0..L. Note: The value of L depends on implementation, e.g. may be 2 ³² . Patterns, Period: For further study	Default value of Length: 0
MTDe_TT_So_MI_1TH_Terminate	--	--
MTDe_TT_So_MI_LMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_LMo_Start(CoS,Period) [1...M _{LMo}]	CoS: 0..7 Period: 100ms, 1s, 10s	
<u>MTDe_TT_So_MI_LMo_Intermediate_Request[1...M_{LMo}]</u>	--	--
MTDe_TT_So_MI_LMo_Terminate[1...M _{LMo}]	--	--
MTDe_TT_So_MI_DMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_DMo_Start(CoS,Test_ID, Length,Period)[1...M _{DMo}]	CoS: 0..7 Test_ID: (Note 2)	Default value of Length: 0

MI Signal	Value Range	Default Value
	Length: 0..L. Note: The value of L depends on implementation, e.g. may be 2 ³² . Period: 1s, 10 s, 1 min	Default value of Period: 1 min
<u>MTDe_TT_So_MI_DMo_Intermediate_Request[1...M_{DMo}]</u>	--	--
MTDe_TT_So_MI_DMo_Terminate[1...M _{DMo}]	--	--
MTDe_TT_So_MI_1DMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_1DMo_Start(CoS,Test_ID,Length,Period)[1...M _{1DMo}]	CoS: 0..7 Test_ID: (Note 2) Length: 0..L. Note: The value of L depends on implementation, e.g. may be 2 ³² . Period: 100ms, 1s, 10s	Default value of Length: 0
MTDe_TT_So_MI_1DMo_Terminate[1...M _{1DMo}]	--	--
MTDe_TT_So_MI_SLo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_So_MI_SLo_Start(CoS,Test_ID,Length,Period)[1...M _{SLo}]	CoS: 0..7 Test_ID: (Note 2) Length: 0..L. Note: The value of L depends on implementation, e.g. may be 2 ³² . Period: 0.1 ms, 0.5 ms, 1 ms, 3.3 ms, 10 ms, 100 ms	Default value of Length: 0 Default value of Period: 10 ms
<u>MTDe_TT_So_MI_SLo_Intermediate_Request[1...M_{SLo}]</u>	--	--
MTDe_TT_So_MI_SLo_Terminate[1...M _{SLo}]	--	
MTDe_TT_So_MI_Admin_State	LCK, Normal	Normal
MTDe_TT_So_MI_Lock_Intsruct_Enable	true, false	true
MTDe_TT_So_MI_DP_Loopback_Enable	true, false	false
MTDe_TT_So Reporting		
MTDe_TT_So_MI_CV_Series_Result()	See Tables 8-3.1 and 8-3.2 for the respective parameters and values	See Tables 8-3.1 and 8-3.2 for the respective parameters and values
MTDe_TT_So_MI_1TH_Result(Sent)	--	--
MTDe_TT_So_MI_LMo_Result(N_TF,N_LF,F_TF,F_LF)[1...M _{LMo}]	--	--
MTDe_TT_So_MI_DMo_Result(count,B_FD[,F_FD[,N_FD[)][1...M _{DMo}]	--	--
MTDe_TT_So_MI_SLo_Result(N_TF,N_LF,F_TF,F_LF)[1...M _{SLo}]	--	--
MTDe_TT_Sk Provisioning		
MTDe_TT_Sk_MI_GAL_Enable	true, false	Note: MI_GAL_Enable

MI Signal	Value Range	Default Value
		must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study.
MTDe_TT_Sk_MI_MEG_ID	String; values are OAM protocol-specific	Note 1
MTDe_TT_Sk_MI_PeerMEP_ID	String; values are OAM protocol-specific	Note 1
MTDe_TT_Sk_MI_CV_OAM_Tool	G.8113.1, G.8113.2	N/A
	G.8113.1, G.8113.2	N/A
	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_1TH_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_1TH_Start(Pattern, Length, Period) Note: Pattern, Length, and Period are G.8121.1 specific	FFS	
MTDe_TT_Sk_MI_1TH_Terminate	--	--
MTDe_TT_Sk_MI_LMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_DMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_1DMo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_1DMo_Start(<u>CoS</u> , Test_ID)[1...M _{1DMo}]	-- (Note 2)	--
MTDe_TT_Sk_MI_1DMo_Intermediate_Requests[1...M_{LMo}]	--	--
MTDe_TT_Sk_MI_1DMo_Terminate[1...M _{1DMo}]	--	--
MTDe_TT_Sk_MI_SLo_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDe_TT_Sk_MI_DP_Loopback_Enable	true, false	false
MTDe_TT_Sk Reporting		
MTDe_TT_Sk_MI_1TH_Result(REC, CRC, BER, OO)	--	--
MTDe_TT_Sk_MI_1DMo_Result(count, N_FD[])[1...M _{DMo}]	--	--
MTDe_TT_Sk_MI_Admin_State_Request	Trigger to LCK, Trigger to Normal	--
MTDi_TT_So Provisioning		
MTDi_TT_So_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and

MI Signal	Value Range	Default Value
		sections and to false on PWs. Setting it to true for PWs is for further study.
MTDi_TT_So_MI_TTLVALUE	0..255	255
MTDi_TT_So_MI_MIP_ID	String; values are OAM protocol-specific	Note 1
MTDi_TT_So_MI_CV_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDi_TT_So_MI_DP_Loopback_Enable	true, false	false
MTDi_TT_Sk Provisioning		
MTDi_TT_Sk_MI_GAL_Enable	true, false	Note: MI_GAL_Enable must be set to true on LSPs and sections and to false on PWs. Setting it to true for PWs is for further study.
MTDi_TT_Sk_MI_MIP_ID	String; values are OAM protocol-specific	Note 1
MTDi_TT_Sk_MI_CV_OAM_Tool	G.8113.1, G.8113.2	N/A
MTDi_TT_Sk_MI_DP_Loopback_Enable	true, false	false

6) Clause 8.6.2, Diagnostic - G.8121.2 Specific

Update Table 8-3.2 as below:

Table 8-3.2/G.8151/Y.1374 – Provisioning and reporting for termination functions

MI Signal	Value Range	Default Value
MTDe_TT_So Provisioning		
MTDe_TT_So_MI_Target_FEC	See [ITU-T G.8121.2]	--
MTDe_TT_So_MI_Iffnum	See [ITU-T G.8121.2]	--
MTDe_TT_So_MI_MTU	See [ITU-T G.8121.2]	--
MTDe_TT_So_MI_CV_Series (Session_ID, Counter, Period, CoS, Size, ValidateFEC, ValidatieReverce, TargetFECStack)	CoS : 0..7 To be defined for other parameters	6.4CoS : 7 6.5To be defined for other parameters
MTDe_TT_So_MI_ODCV_Trace(Session_ID, CoS, ValidateFEC, ValicateReverce, TargetFECStack)	CoS : 0..7 To be defined for other parameters	CoS : 7 To be defined for other parameters
MTDe_TT_So_MI_FEC_Checking	true, false	true

MI Signal	Value Range	Default Value
MTDe_TT_So _[k2] _MI_DMo_Start(CoS, Test_ID, Length, Period, CopyPad)[1...M _{DMo}] [Note 1]	CoS: 0..7 Length: 0..L. Note: The value of L depends on implementation, e.g. may be 2 ³² . Period: 1s, 10 s, 1 min CopyPad: true, false Test_ID: non-negative integer	
MTDe_TT_So_MI_LMo_Start(CoS, Test_ID, Period, LMType, CountBytes)[1...MLMo] [Note 1]	CoS: 0..7 Period: 1s, 10 s, 1 min LMType: ILM, DLM CountBytes: true, false Test_ID: non-negative integer	
MTDe_TT_So_MI_LMDMo_Start(CoS, Test_ID, Length, Period, LMType, CountBytes, CopyPad)[1...MLMDMo]	CoS: 0..7 Length: 0..L. Period: 1s, 10 s, 1 min LMType: ILM, DLM CountBytes: true, false CopyPad: true, false Test_ID: non-negative integer	
MTDe_TT_So_MI_LMDMo_Terminate[1...M _{LMDMo}]	--	
MTDe_TT_So_MI_LI_Period	1, 255	1
MTDe_TT_So_MI_LI_MEPID	0..255	255
MTDe_TT_So_MI_LI_CoS	0, 1, 2, 3, 4, 5, 6, 7	7
MTDe_TT_So Reporting		
MTDe_TT_So_MI_CV_Series_Result(Session_ID, Rev, CoS, OOO, FWErr, BWErr)	To be defined	-
MTDe_TT_So_MI_⊕CV_Trace_Result(Session_ID, Result)	To be defined	-
MTDe_TT_So_MI_⊕CV_BWErr(Session_ID, Seq, RC, SubRC, ErrTLV)	To be defined	-
MTDe_TT_So_MI_⊕CV_BWErr(Session_ID, Seq, RC, SubRC, ErrTLV)	To be defined	-
MTDe_TT_So_MI_DMo_ReportError(Error)[1...M _{DMo}]	true, false	
MTDe_TT_So_MI_DMo_PeriodChanged[1...M _{DMo}]	true, false	
MTDe_TT_So_MI_LMo_ReportError(Error)[1...MLMo]	true, false	
MTDe_TT_So_MI_LMo_PeriodChanged[1...MLMo]	true, false	

MI Signal	Value Range	Default Value
MTDe_TT_Sk Provisioning		
MTDe_TT_Sk_MI_PM_Responder_Enable	true, false	False
MTDe_TT_Sk_MI_FEC_Checking	true, false	true
MTDe_TT_Sk Reporting		
MTDi_TT_So Provisioning		
MTDi_TT_So_MI_Target_FEC	See [ITU-T G.8121.2]	--
MTDi_TT_So_MI_Iffnum	See [ITU-T G.8121.2]	--
MTDi_TT_So_MI_MTU	See [ITU-T G.8121.2]	--
MTDi_TT_Sk Provisioning		
MTDi_TT_Sk_MI_FEC_Checking	See [ITU-T G.8121.2]	--

7) Clause 8.7, Connection

Update Table 8-4 as below:

Table 8-4/G.8151/Y.1374 – Provisioning and reporting for connection functions

MI Signal	Value Range	Default Value
MT_C Provisioning (Per matrix connection)		
MT_C_MI_ConnectionType	Protected, unprotected	unprotected
MT_C_MI_Return_CP_ID	NULL (for unidirectional), or the Connection point (CP) identifier (for bidirectional)	--
MT_C_MI_ConnectionPortIds	Set of connection point identifiers	--
<u>MT_C Provisioning</u>		
<u>MT_C_MI_MatrixControl</u>	<u>Connect, disconnect</u>	<u>Not applicable</u>
<u>MT_C Provisioning (Per protection process)</u>		
<u>MT_C_MI_PS_WorkingPortId</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_ProtectionPortId</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_ProtType</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_OperType</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_HoTime</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_WTR</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_ExtCMD</u>	<u>(Note)</u>	<u>(Note)</u>
<u>MT_C_MI_PS_SD_Protection</u>	<u>disabled, enabled</u>	<u>disabled</u>
<u>Note: According to [ITU-T G.8121/Y.1381]</u>		

