

module: ieee802-dot1q-cfm

corresponding parameters in G.8051

+	---	rw	cfm					
	+	---	rw	maintenance-domain*	[md-id]	-		
		+	---	rw	md-id	cfm-types:name-key-type	-	
		+	---	rw	(md-name)?		-	
			+	---		:(none)		
			+	---	rw	none?	empty	No Maintenance Domain Name present
			+	---		:(dns-like-name)		Domain Name based string - Not specified in G.8051
			+	---	rw	dns-like-name?	string	
			+	---		:(mac-address-and-uint)		
			+	---	rw	mac-address-and-uint-type		MAC address + 2-octet integer - Not specified in G.8051
			+	---	rw	address	ieee:mac-address	
			+	---	rw	int	uint16	
		+	---			:(char-string)		Character string - Not specified in G.8051
		+	---	rw	char-string?	string		
	+	---	rw	md-level?	cfm-types:md-level-type		<b>ETHx_FT_{So,Sk}_MI_MEL</b>	
	+	---	rw	mhf-creation?	cfm-types:mhf-creation-type		for MIP creation	
	+	---	rw	id-permission?	cfm-types:sender-id-permission-type		for CCM Sender ID TLV (optional) - Not specified in G.8051	
	+	---	rw	fault-alarm-transmission?	cfm-types:fault-alarm-type		for fault alarms - Not specified in G.8051	
	+	---	rw	maintenance-association*	[ma-id]			
	+	---	rw	ma-id	cfm-types:name-key-type		<b>ETHx_FT_{So,Sk}_MI_MEG_ID</b>	
	+	---	rw	(ma-name)				
		+	---		:(primary-vid)		Primary VID for Short MA Name - Not specified in G.8051	
			+	---	rw	primary-vid?	dot1q-types:vlanid	
			+	---		:(char-string)		Character string for Short MA Name - Not specified in G.8051
			+	---	rw	char-string?	string	
			+	---		:(unsigned-int16)		2-octet integer for Short MA Name - Not specified in G.8051
			+	---	rw	unsigned-int16?	uint16	
		+	---		:(rfc2865-vpn-id)			
		+	---	rw	vpn-id		VPN ID for Short MA Name - Not specified in G.8051	
		+	---	rw	vpn-oui	uint32		
		+	---	rw	vpn-index	uint32		
	+	---	rw	ccm-interval?	cfm-types:ccm-interval-type		<b>ETHx_FT_{So,Sk}_MI_CC_Period</b>	
	+	---	rw	fault-alarm-transmission?	cfm-types:fault-alarm-type		for fault alarms - Not specified in G.8051	
	+	---	rw	mhf-creation?	cfm-types:mhf-creation-type		for MIP creation	
	+	---	rw	id-permission?	cfm-types:sender-id-permission-type		for CCM Sender ID TLV (optional) - Not specified in G.8051	
	+	---	rw	maintenance-association-mep*	[mep-id]		<b>ETHx_FT_So_MI_MEP_ID</b>	
	+	---	rw	mep-id	cfm-types:mep-id-type			
+	---	rw	maintenance-group*	[maintenance-group-id]		(MEG Index)		
+	---	rw	maintenance-group-id	cfm-types:name-key-type				
+	---	rw	md-id	->/cfm/maintenance-domain/md-id		Not specified in G.8051		
+	---	rw	ma-id	->/cfm/maintenance-domain[md-id=current()/../md-id]/maintenance-association/ma-id		<b>ETHx_FT_{So,Sk}_MI_MEG_ID</b>		
+	---	rw	mep*	[mep-id]				

+--	rw	mep-id	->/cfm/maintenance-domain[md-id=current()/../md-id]/maintenance-association[ma-id=current()/../ma-id]/maintenance-association-mep/mep-id	ETHx_FT_So_MI_MEP_ID
+--	rw	direction	cfm-types:mp-direction-type	Not specified in G.8051
+--	rw	admin-state?	boolean	Not specified in G.8051
+--	rw	ccm-ltm-priority?	dot1q-types:priority-type	ETHx_FT_{So,Sk}_MI_CC_Pri
+--	ro	mac-address	ieee:mac-address	ETHx_FT_{So,Sk}_MI_MEP_MAC
+--	rw	inactive-remote-mep*	[inactive-rmep-id]	
+--	rw	inactive-rmep-id	->/cfm/maintenance-domain[md-id=current()/../md-id]/maintenance-association[ma-id=current()/../ma-id]/maintenance-association-	Not specified in G.8051
+--	ro	mep-db*	[rmep-id]	-
+--	ro	rmep-id	cfm-types:mep-id-type	ETHx_FT_Sk_MI_PeerMEP_ID[i]
+--	ro	rmep-state	cfm-types:remote-mep-state-type	cLOC[i]
+--	ro	rmep-failed-ok-time	yang:date-and-time	Not specified in G.8051
+--	ro	mac-address	ieee:mac-address	Not specified in G.8051
+--	ro	rdi	boolean	cRDI[i]
+--	ro	port-status-tlv?	cfm-types:port-status-tlv-value-type	CCM Port Status TLV (optional) - Not specified in G.8051
+--	ro	interface-status-tlv?	cfm-types:interface-status-tlv-value-type	CCM Interface Status TLV (optional) - Not specified in G.8051
+--	ro	chassis-id-subtype?	lldp-types:chassis-id-subtype-type	
+--	ro	chassis-id?	lldp-types:chassis-id-type	
+--	ro	transport-service-domain		
+--	ro	domain?	yang:object-identifier-128	
+--	ro	(management-address)?		
+--		:(ip)		
	ro	ip-address	inet:ip-address	CCM Sender ID TLV (optional) - Not specified in G.8051
	ro	ip-port	inet:port-number	
+--		:(local)		
	ro	local-address	string	
+--		:(dns)		
	ro	dns-address	string	
+--		:(other)		
	ro	unknown-address?	binary	
+--	ro	rmep-is-active?	boolean	Not specified in G.8051
+--	rw	continuity-check		-
+--	rw	ccm-enabled?	boolean	ETHx_FT_{So,Sk}_MI_CC_Enable
+--	ro	fng-state?	cfm-types:fng-state-type	Not specified in G.8051
+--	rw	fault-alarm-transmission?	cfm-types:fault-alarm-type	Not specified in G.8051
+--	rw	lowest-priority-defect?	cfm-types:lowest-alarm-priority-type	Not specified in G.8051
+--	rw	fng-alarm-time?	uint16	Not specified in G.8051

	+	rw	fng-reset-time?	uint16	Not specified in G.8051
	+	ro	highest-priority-defect	cfm-types:highest-defect-priority-type	Not specified in G.8051
	+	ro	defects	cfm-types:mep-defects-type	Not specified in G.8051
	+	ro	error-ccm-last-failure?	binary	Not specified in G.8051
	+	ro	xcon-ccm-last-failure?	binary	Not specified in G.8051
	+	ro	stats		-
	+	ro	mep-ccm-sequence-errors	yang:counter64	Not specified in G.8051
	+	ro	mep-ccms-sent	yang:counter64	Not specified in G.8051
	+	ro	mep-lbr-in	yang:counter64	Not specified in G.8051 (cf. REC - OO)
	+	ro	mep-lbr-in-out-of-order	yang:counter64	Not specified in G.8051 (cf. OO)
	+	ro	mep-lbr-bad-msdu	yang:counter64	Not specified in G.8051 (cf. CRC + BER)
	+	ro	mep-unexpected-ltr-in	yang:counter64	Not specified in G.8051
	+	ro	mep-lbr-out	yang:counter64	Not specified in G.8051 (Tx LBR)
	+	x	transmit-loopback		<b>ETHDe_FT_So_MI_LB_Discover(P)</b> <b>ETHDe_FT_So_MI_LB_Series(DA,DE,P,N,Length,Period)</b> <b>ETHDe_FT_So_MI_LB_Test(DA,DE,P,Pattern, Length, Period)</b>
	+	w	input		-
	+	w	(lbr-destination)		DA
	+		:(dest-ucast-mac-address)		
	+	w	lbr-dest-ucast-mac-address?	cfm-types:unicast-mac-address-type	
	+		:(dest-mcast-class1-mac-address)		
	+	w	lbr-dest-mcast-class1-mac-address?	cfm-types:multicast-class1-mac-address-type	
	+		:(dest-mep-id)		
	+	w	lbr-dest-mep-id?	cfm-types:mep-id-type	LBM Destination specified by MEPID (optional) - Not specified in G.8051
	+	w	lbr-messages?	uint16	N
	+	w	lbr-priority?	dot1q-types:priority-type	P
	+	w	lbr-drop-eligible?	boolean	DE
	+	w	lbr-data-tlv?	cfm-types:lbr-data-tlv-type	Length
	+	ro	output		Transaction ID of the 1st LBM sent - Not specified in G.8051
	+	ro	lbr-request-id	cfm-types:seq-number-type	
	+	x	transmit-linktrace		<b>ETHDe_FT_So_MI_LT(TA,TTL,P)</b>
	+	w	input		-
	+	w	(ltr-target)		TA
	+		:(target-ucast-mac-address)		
	+	w	ltr-target-mac-address?	cfm-types:unicast-mac-address-type	
	+		:(target-mep-id)		LTM Target specified by MEPID (optional) - Not specified in G.8051
	+	w	ltr-target-mep-id?	cfm-types:mep-id-type	
	+	w	ltr-ttl?	uint8	TTL
	+	w	ltr-flags?	cfm-types:mep-tx-ltr-flags-type	Not specified in G.8051
	+	ro	output		-
	+	ro	ltr-transaction-id	cfm-types:seq-number-type	Not specified in G.8051
	+	ro	ltr-egress-identifier		LTM Egress ID TLV - Not specified in G.8051
	+	ro	int	uint16	
	+	ro	address	ieee:mac-address	

+	+	+	ro	loopback-reply*	[lbr-request-id]	ETHDe_FT_So_MI_LB_Discover_Result(MACs) ETHDe_FT_So_MI_LB_Series_Result(REC,ERR,OO) ETHDe_FT_So_MI_LB_Test_Result(Sent, REC, CRC, BER, OO)						
			+	+	+	ro	lbr-request-id	cfm-types:seq-number-type	Transaction ID of the received LBR - Not specified in G.8051	??		
			+	+	+	ro	loopback-input		-			
			+	+	+	ro	(lbr-destination)					
						+	+	+	:(dest-ucast-mac-address)			
						ro	lbr-dest-ucast-mac-address?	cfm-types:unicast-mac-address-type	DA in ETHDe_FT_So_MI_LB			
						+	+	+	:(dest-mcast-class1-mac-address)			
						ro	lbr-dest-mcast-class1-mac-address?	cfm-types:multicast-class1-mac-address-type				
						+	+	+	:(dest-mep-id)	LBM Destination specified by MEPID (optional) - Not specified in G.8051		
						ro	lbr-dest-mep-id?	cfm-types:mep-id-type				
			+	+	+	ro	lbr-messages?	uint16	N in ETHDe_FT_So_MI_LB			
			+	+	+	ro	lbr-priority?	dot1q-types:priority-type	P in ETHDe_FT_So_MI_LB			
			+	+	+	ro	lbr-drop-eligible?	boolean	DE in ETHDe_FT_So_MI_LB			
			+	+	+	ro	lbr-data-tlv?	cfm-types:lbr-data-tlv-type	Length in ETHDe_FT_So_MI_LB			
			+	+	+	ro	responses*	[source-mac-address]		informative description in .1Qcx		
						+	+	+	source-mac-address	ieee:mac-address	MACs	informative description in .1Qcx
						+	+	+	received-lbrs?	uint16	REC	informative description in .1Qcx
+	+	+	ro	linktrace-reply*	[ltr-transaction-id]	ETHDe_FT_So_MI_LT_Results(Results(SA,TTL,TLV))						
			+	+	+	ro	ltr-transaction-id	cfm-types:seq-number-type	Not specified in G.8051			
			+	+	+	ro	linktrace-input		-			
			+	+	+	ro	(ltr-target)					
						+	+	+	:(target-ucast-mac-address)			
						ro	ltr-target-mac-address?	cfm-types:unicast-mac-address-type	TA in ETHDe_FT_So_MI_LT			
						+	+	+	:(target-mep-id)	LTM Target specified by MEPID (optional) - Not specified in G.8051		
						ro	ltr-target-mep-id?	cfm-types:mep-id-type				
			+	+	+	ro	ltr-ttl?	uint8	TTL in ETHDe_FT_So_MI_LT			
			+	+	+	ro	ltr-flags?	cfm-types:mep-tx-ltm-flags-type	LTM Flags - Not specified in G.8051			
			+	+	+	ro	responses*	[ltr-receive-order]	-			
			+	+	+	ro	ltr-receive-order	uint32	Index to distinguish multiple LTRs - Not specified in G.8051			
			+	+	+	ro	ltr-ttl	uint8	TTL			
			+	+	+	ro	ltr-forwarded	boolean	LTR Flags - Not specified in G.8051			
			+	+	+	ro	ltr-terminal-mep	boolean	LTR Terminal MEP - Not specified in G.8051			
			+	+	+	ro	ltr-last-egress-identifier					
						+	+	+	int	uint16	LTR Egress ID TLV	
						+	+	+	address	ieee:mac-address		
			+	+	+	ro	ltr-next-egress-identifier					
						+	+	+	int	uint16	SA, LTR Egress ID TLV	
						+	+	+	address	ieee:mac-address		
			+	+	+	ro	ltr-relay	cfm-types:relay-action-field-value-type	LTR Relay Aaction - Not specified in G.8051			
			+	+	+	ro	ltr-chassis-id-subtype?	lldp-types:chassis-id-subtype-type				
			+	+	+	ro	ltr-chassis-id	lldp-types:chassis-id-type				

	+--	ro	ltr-transport-service-domain			
		+--	ro	domain?	yang:object-identifier-128	
		+--	ro	(management-address)?		
		+--	:	(ip)		
		ro	ip-address	inet:ip-address	LTR Sender ID TLV (optional)	
		ro	ip-port	inet:port-number		
		+--	:	(local)		
		ro	local-address	string		
		+--	:	(dns)		
		ro	dns-address	string		
		+--	:	(other)		
		ro	unknown-address?	binary		
		+--	ro	ltr-ingress?	cfm-types:ingress-action-field-value-type	
		+--	ro	ltr-ingress-mac	ieee:mac-address	Reply Ingress TLV (optional)
		+--	ro	ltr-ingress-port-id-subtype?	lldp-types:port-id-subtype-type	
		+--	ro	ltr-ingress-port-id	lldp-types:port-id-type	
		+--	ro	ltr-egress?	cfm-types:egress-action-field-value-type	Reply Egress TLV (optional)
		+--	ro	ltr-egress-mac	ieee:mac-address	
		+--	ro	ltr-egress-port-id-subtype?	lldp-types:port-id-subtype-type	
		+--	ro	ltr-egress-port-id	lldp-types:port-id-type	
		+--	ro	ltr-organization-specific-tlv?	binary	Organization specific TLV (optional)
	+---	x	mep-fault-alarm		Not specified in G.8051	
		+--		mep-priority-defect	->../continuity-check/highest-priority-defect	Not specified in G.8051

module: ieee802-dot1q-cfm-mip

	+--	rw	mip*	[mip-id]	-		
		+--	rw	mip-id	cfm-types:name-key-type	Not specified in G.8051	
			+--	rw	md-level?	cfm-types:md-level-type	ETHDe_FT_{So,Sk}_MI_MEL
			+--	rw	id-permission?	cfm-types:sender-id-permission-type	for CCM Sender ID TLV (optional) - Not specified in G.8051

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