Metropolis® EON R8.2 Provisionable Threshold Crossing Alert (TCA) Parameters

Parameter	Threshold Range [Original Value]		CenterLink Management Console	
	Current 15 Minute	Current 1 Day	Command [TL1 Command]	Report [TL1 Report]
Optical Line				
– TCA Autonomous Report – Total Power Received (TOPR-OL)	[Enable], Disable	[Enable], Disable	PERFORMANCE-Set-Threshold-	PERFORMANCE-Retrieve-
– Threshold Level – Total Power Received (TOPR)	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	Optical_Line [SET-TH-OLINE]	Threshold-Optical_Line* [RTRV-TH-OLINE]
– TCA Autonomous Report – Total Power Transmitted (TOPT-OL)	[Enable], Disable	[Enable], Disable		
– Threshold Level – Total Power Transmitted (TOPT)	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	10, 20, 30, 40, 50, [60], 70, 80, 90, 100		
Optical Channel				
– TCA Autonomous Report – Total Power Received(TOPR-OL)	[Enable], Disable	[Enable], Disable	PERFORMANCE-Set-Threshold-	PERFORMANCE-Retrieve-
– Threshold Level – Total Power Received (TOPR)	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	Optical_Channel [SET-TH-OCHAN]	Threshold-Optical_Channel* [RTRV-TH-OCHAN]
– TCA Autonomous Report – Total Power Transmitted (TOPT-OL)	[Enable], Disable	[Enable], Disable		
– Threshold Level – Total Power Transmitted (TOPT)	10, 20, 30, 40, 50, [60], 70, 80, 90, 100	10, 20, 30, 40, 50, [60], 70, 80, 90, 100		
Supervisory Channel				
– Line Coding Violations (CVL)[†]	-7, -8, [-9], -10	-7, -8, -9, [-10], -11, 12	PERFORMANCE-Set-Threshold-	PERFORMANCE-Retrieve-
– TCA Autonomous Report (CVL)[†]	[Enable], Disable	[Enable], Disable	Supervisory	Threshold-
– Line Errored Seconds (ESL)	1-900 [25]	1-65535 [250]	[SET-TH-SUPR]	Supervisory
– TCA Autonomous Report (ESL)	[Enable], Disable	[Enable], Disable		[RTRV-TH-SUPR]*
– Line Severely Errored Seconds (SESL)	1-63 [10]	1-4095 [40]		
– TCA Autonomous Report (SESL)	[Enable], Disable	[Enable], Disable		
– Line Unavailable Seconds (UASL)	1-63 [10]	1-4095 [10]		
– TCA Autonomous Report (UASL)	[Enable], Disable	[Enable], Disable		

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Parameter	Threshold Range [Original Value]		CenterLink Management Console	
	Current 15 Minute	Current 1 Day	Command [TL1 Command]	Report [TL1 Report]
− TCA Autonomous Report − OC-3 Laser Bias Current (LBC-SU)‡	[Enable], Disable	[Enable], Disable		
− TCA Autonomous Report − OC-3 Signal Power (SPR-SU)‡	[Enable], Disable	[Enable], Disable		
OT Port Signal				
− Coding Violations − Section Near End (CVS) †	−7, −8, [−9], −10	−7, −8, −9, [−10], −11, 12	PERFORMANCE-Set-Threshold-	PERFORMANCE-Retrieve-
− TCA Autonomous Report (CVS) †	[Enable], Disable	[Enable], Disable	OT_Port_Signal	Threshold-
− Errored Seconds − Section Near End (ESS)	1−900 [25]	1−65535 [250]	[SET-TH-OTPS}	OT_Port_Signal [RTRV-TH-OTPS]*
− TCA Autonomous Report (ESS)	[Enable], Disable	[Enable], Disable		
− Severely Errored Seconds − Section Near End (SESS)	1−63 [10]	1−4095 [40]		
− TCA Autonomous Report (SESS)	[Enable], Disable	[Enable], Disable		
− Severely Errored Framing Seconds − Section Near End (SEFS)	1−63 [10]	1−4095 [40]		
− TCA Autonomous Report (SEFS)	[Enable], Disable	[Enable], Disable		

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[*] The **PERFORMANCE-Retrieve-Threshold-All** command **[RTRV-TH-ALL]** report may also be used.

[†] The coding violations parameter specifies the coding violations that will cause a TCA and is the base 10 logar desired error rate. However, the specified report will show the number of coding violations that will cause a TCA.

[‡] The threshold levels for LBC-SU and SPR-SU cannot be set.