## **Descriptions of TPA Parameters**

Note: The information included in this document is subject to change without notice. Use caution when distribute it to external readers.

Service Model MSTV							MSTV
MPEG TS	MPEG PES	IGMP_Stats		Stats	Network Vitals	ICC	C&C
MPEG-2 TS Stream Stats/Transport Stream	25_1 25	TOMM _Otato	KII		Notivo A Vitalo	100	- Cuo
and Program Stats	MPEG_PES	Active IGMP/MLD	RTP Multimedia	RTP VoIP	Ethernet	ICC Summary	Command and Control Statistics
Throughput	Video	Viewers	VoIP_MOS	VoIP_MOS	Throughput	MPEG2-TS_Throughput	Currently_Viewed
Min_Throughput	Video_Aspect_Ratio	Joins	Min_VoIP_MOS	Min_VoIP_MOS	Percent Bandwidth	MPEG2-TS_Min_Throughput	Zap/Response (ms)
Avg_Throughput	Video_Frame_Rate	Successful_Joins	Avg_VoIP_MOS	Avg_VoIP_MOS	TCP/IP	MPEG2-TS_Avg_Throughput	Avg_Zap/Response (ms)
Max_Throughput	Video_Bit_Rate	Failed_Joins	Max_VoIP_MOS	Max_VoIP_MOS	IP_Throughput	MPEG2-TS_Max_Throughput	Min_Zap/Response (ms)
MDI_DF	Video_Sample_Bytes	Leaves	Jitter (ms)	Jitter (ms)	IP_Percent Bandwidth	MPEG2-TS_Packet_Count	Max_Zap/Response (ms)
Min_MDI_DF	Video_Total_Bytes	Group-Specific_Queries	Min_Jitter (ms)	Min_Jitter (ms)	IP_Packet Size	MPEG2- TS_Total_Packet_Count	ICC/RUDP_Response (μs)
Avg_MDI_DF	Video_Sample_Packets	Unanswered Queries	Avg_Jitter (ms)	Avg_Jitter (ms)	IP_Packets	MPEG2-TS_Byte_Count	Avg_ICC/RUDP_Response (μs)
Max_MDI_DF	Video_Total_Packets	Zap_Time	Max_Jitter (ms)	Max_Jitter (ms)	IP_Broadcasts	MPEG2-TS_Total_Byte_Count	Min_ICC/RUDP_Response (μs)
MDI_LR	MOS_Degradation	Response_Time	MDI:DF (ms)	MDI:DF (ms)	IP_Multicasts	RTP_Throughput	Max_ICC/RUDP_Response (μs)
INIDI_LIX	INICO_Degradation	rcaponac_nine	WDI.DI (III3)	WDI.DI (III3)	ii _ividiticasts	Terri _ Trii ougriput	IMAZ 100/1001 _103porise (µ3)
Min_MDI_LR	MOS_Degradation_Average	Only in MPM	Avg_MDI:DF (ms)	Avg_MDI:DF (ms)	IP_Fragments	RTP_Min_Throughput	Joins
Avg_MDI_LR	MOS_Degradation_Minimum	IGMP_Joins	Min_MDI:DF (ms)	Min_MDI:DF (ms)	IP_Low_ TTL	RTP_Avg_Throughput	Total_Joins
		_					
Max_MDI_LR	MOS_Degradation_Maximum	IGMP_Successful_Joins	Max_MDI:DF (ms)	Max_MDI:DF (ms)	IP_Routing Packets	RTP_Max_Throughput	Avg_Joins
PCR_Jitter	GOP_Pattern	IGMP_Leaves	MDI:LR (pps)	MDI:LR (pps)	ICMP_Redirects	RTP_Packet_Count	Min_Joins
			** /	W. 7	ICMP		
Min_PCR_Jitter	GOP_Pattern_Pattern Length	IGMP_Zap_Time	Avg_MDI:LR (pps)	Avg_MDI:LR (pps)	Dest_Unreachable ICMPv6	RTP_Total_Packet_Count	Max_Joins
Avg_PCR_Jitter	GOP Pattern State		Min_MDI:LR (pps)	Min_MDI:LR (pps)	Dest Unreachable	RTP_Byte_Count	Successful Joins
r.t.g_r. o.t_o.t.o.	GOP_Pattern_Sample		(ррс)	(рро)	TCP Low Window Packet		
Max_PCR_Jitter	Matches		Max_MDI:LR (pps)	Max_MDI:LR (pps)	s	RTP_Total_Byte_Count	Total_Successful_Joins
	GOP_Pattern_Sample		1111	- U1-7	TCP Reset		
PSI Rate	Mismatches		Throughput (bps)	Throughput (bps)	Conn Packets	RTP Statistics	Avg_Successful_Joins
			3 1 2 (31 3)	3 1 1 1 (1)			9
Min_PSI_Rate	GOP_Pattern_Total Matches		Avg_Throughput (bps)	Avg_Throughput (bps)	SNMP_Get/Se_Packets	SSRC	Min_Successful_Joins
	GOP_Pattern_Total						
Avg_PSI_Rate	Mismatches		Min_Throughput (bps)	Min_Throughput (bps)	SNMP_Trap_Packets	Payload	Max_Successful_Joins
Max_PSI_Rate	I-Frames		Max_Throughput (bps)	Max_Throughput (bps)	DNS_Packets	Start_Time	Leaves
PCR_Rate	I-Frames_Total		R-Factor	R-Factor	ARP_Packets	End_Time	Total_Leaves
	I-Frames_		. 55.				
Min_PCR_Rate	Sample_With_Lost_Packets		Avg_R-Factor	Avg_R-Factor	Only in MPM	Duration	Avg_Leaves
Avg_PCR_Rate	I-Frames_ Total_With_Lost_Packets		Min_R-Factor	Min_R-Factor	Ethernet_Packets	CBR	Min_Leaves
Max_PCR_Rate	I-Frames_Percent-Sample		Max_R-Factor	Max_R-Factor	Ethernet_Bytes	Bit_Rate_Variability (%)	Max_Leaves
PSI_Count	I-Frames_Percent-Average		Lost_Packets (%)	Lost Packets (%)	Ethernet_Throughput	Packet_Count	ICC_Join_Requests
_					Ethernet_		
Total_PSI_Count	I-Frames_Percent-Minimum		Min_Lost Packets (%)	Min_Lost Packets (%)	Percent_Bandwidth	Total_Packet_Count	Total_ICC_Join_Requests
PSI_Errors	I-Frames_Percent-Maximum		Avg_Lost Packets (%)	Avg_Lost Packets (%)	Percent_Audio	Byte_Count	Avg_ICC_Join_Requests
Total_PSI_Errors	I-Frames_Rate-Sample		Max_Lost Packets (%)	Max_Lost Packets (%)	Percent_Video	Total_Byte_Count	Min_ICC_Join_Requests
Late_PSI_Errors	I-Frames_Rate-Aveage		RTP Statistics	RTP Statistics	Percent_Data	Received_Packets	Max_ICC_Join_Requests
Total_Late_PSI_Errors	I-Frames_Rate-Minimum		SSRC	SSRC	IP_Packets	Total_Received_Packets	ICC_Successful_Joins
PSI_CRC_Errors	I-Frames_Rate-Maximum		Payload	Payload	IP_Broadcasts	Lost_Packets	Total_ICC_Successful_Joins
Total_PSI_CRC_Errors	P-Frames		Start_Time	Start Time	IP_Multicasts	Total_Lost_Packets	Avg_ICC_Successful_Joins
PCR_Count	P-Frames_Total		End_Time	End Time	IP_Fragments	Lost_Packets (%)	Min_ICC_Successful_Joins
	P-Frames_						
Total_PCR_Count	Sample_With_Lost_Packets		Duration	Duration	IP_Throughput	Avg_Lost_Packets (%)	Max_ICC_Successful_Joins

	P-Frames_Total_With_Lost_				
Late PCR Errors	Packets	CBR	CBR	Min Lost Packets (%)	ICC_Join_Responses
Total_Late_PCR_Errors	P-Frames_Percent-Sample	Bit Rate Variability (%)	Bit_Rate_Variability (%)	Max_Lost_Packets (%)	Total ICC Join Responses
PCR_Discontinuity_	i i ramos_i ordeni sampio	Die tato vanability (78)	Digitalogranasini, (76)	a.,_256(_; denote (70)	
Errors	P-Frames_Percent-Average	Packet_Count	Packet_Count	Jitter (ms)	Avg_ ICC_Join_Responses
Total_PCR_Discontinuity_E		r donot_eedin	- donet_oodin	onto: (mo)	7.1.g_ 10 0_001.100p0000
rors	P-Frames_Percent-Minimum	Total_Packet_Count	Total Packet Count	Avg_Jitter (ms)	Min_ICC_Join_Responses
				J. 119_2.11.1 (11.15)	
PCR_Accuracy_Errors	P-Frames_Percent-Maximum	Byte_Count	Byte_Count	Min_Jitter (ms)	Max_ICC_Join_Responses
Total_PCR_Accuracy_	i ramos_rotosia maximum		2,10_00	o	
Errors	P-Frames_Rate-Sample	Total_Byte_Count	Total_Byte_Count	Max_Jitter (ms)	ICC_Burst_Completes
Sync_Byte_Errors	P-Frames_Rate-Average	Received Packets	Received Packets	Loss_Periods	Total_ICC_Burst_Completes
5)::0_5):0_2::0:0	i ramos_rato /rrorago	Treserved_r derrete	rteserres_r seriete	2000_1 011000	Total_roo_built_built_built
Total_Sync_Byte_Errors	P-Frames Rate-Minimum	Total Received Packets	Total_Received_Packets	Avg_Loss_Periods	Avg_ICC_Burst_Completes
Sync_Byte_Losses	P-Frames_Rate-Maximum	Lost_Packets	Lost_Packets	Min_Loss_Periods	Min_ICC_Burst_Completes
Cyno_Byte_Ecococ	1 Trainos_rate Maximum	Ecot_i dottoto	EGGET GONGLO	WWI_2500_1 CHOOS	Min_roo_burot_completed
Total_Sync_Byte_Losses	B-Frames	Total_Lost_Packets	Total_Lost_Packets	Max_Loss_Periods	Max_ICC_Burst_Completes
Transport_Errors	B-Frames_Total	Lost_Packets (%)	Lost_Packets (%)	Avg_Loss_Period_Length	ICC_Burst_Complete_Acks
Transport_Errore	B-Frames_Sample_With_	200(_1 doi:010 (70)	Eddi_i ddilete (70)	/wg_cood_r onou_congur	TOO_BUILD_COMPICTO_, TORG
Total_Transport_Errors	Lost_Packets	Avg_Lost_Packets (%)	Avg_Lost Packets (%)	Min_Loss_Period_Length	Total_ICC_Burst_Complete_Acks
Total_Transport_Errors	B-Frames	7 tvg_200t_1 dolleto (70)	7179_E001 1 dolleto (70)	IVIIII_E000_I CIICU_E0IIgIII	Total_ree_Baret_eemplete_nete
CAT_Errors	Total_With_Lost_Packets	Min_Lost_Packets (%)	Min_Lost Packets (%)	Max_Loss_Period_Length	Avg_ICC_Burst_Complete_Acks
OAT_EII0I3	Total_vviti_Lost_i ackets	William Lost_1 delets (70)	IVIII1_EOSt 1 dokets (70)	IWAX_E035_I CHOU_ECHGHI	Avg_100_buist_complete_Acks
Total_CAT_Errors	B-Frames_Percent-Sample	Max_Lost_Packets (%)	Max_Lost Packets (%)	Avg_Inter-Loss_Period_Length	Min_ICC_Burst_Complete_Acks
TOTAL_OAT_EITOTS	B Traines_r creent dample	IVIAX_EGGL_I ACROLG (70)	Wax_Lost i acrets (76)	Avg_mer 2035_r enou_2enger	Will_100_Bulst_Complete_Acks
CAT_CRC_Errors	B-Frames_Percent-Average	Jitter (ms)	Jitter (ms)	Min_Inter-Loss_Period_Length	Max_ICC_Burst_Complete_Acks
CAT_CINC_LITOIS	B-1 fames_1 ercent-Average	Sitter (ms)	Sitter (IIIS)	Will_Intel-Loss_i enou_Lengtii	IVIAX_ICC_BUISI_COMplete_Acks
Total CAT CRC Errors	B-Frames_Percent-Minimum	Avg_Jitter (ms)	Avg_Jitter (ms)	Max_Inter-Loss_Period_Length	ICC_Leaves
TOTAL_OAT_ORO_EITOIS	B Traines_1 creent william	Avg_otter (ms)	Avg_oner (ma)	Max_inter E033_i enou_Eengtii	IOO_ECAVCS
Packet Count	B-Frames_Percent-Maximum	Min Jitter (ms)	Min_Jitter (ms)	Out-of-Sequence_Packets	Total_ICC_Leaves
I acket Count	D-1 fames_1 ercent-waximum	Willi_Sitter (1113)	IVIIII_SILLEI (IIIS)	Out-of-Sequence_1 ackets	Total_ICC_Leaves
Total_Packet Count	B-Frames_Rate-Sample	Max_Jitter (ms)	Max_Jitter (ms)	Avg_Out-of-Sequence_Packets	Avg_ ICC_Leaves
Total_1 acket Count	B-1 fames_rvate-Sample	iviax_Sitter (IIIS)	IVIAX_SILLET (ITIS)	Avg_Out-or-Sequence_r ackets	Avg_100_Leaves
Byte_Count	B-Frames_Rate-Aveage	Loss_Periods	Loss_Periods	Min_Out-of-Sequence_Packets	Min_ ICC_Leaves
Dytc_Oount	D Traines_Nate Aveage	E033_1 CHOUS	E033_1 CHOUS	Will_Out of Ocquerice_1 ackets	Will_100_Lcaves
Total_Byte_Count	B-Frames_Rate-Minimum	Avg_Loss_Periods	Avg_Loss_Periods	Max_Out-of-Sequence_Packets	Max_ICC_Leaves
Spurious_Packets	B-Frames Rate-Maximum	Min Loss Periods	Min_Loss_Periods	Throughput (bps)	C&C Status Heartbeats
Total_Spurious_Packets	Only in MPM	Max_Loss_Periods	Max_Loss_Periods	Avg_Throughput (bps)	Total_C&C_Status_Heartbeats
Total_opullous_i ackets	Only in this in	IVIAX_E033_1 CITOUS	Avg_Loss_Periods_	Avg_Tilloughput (bp3)	Total_Odo_ctatus_ficatiocats
MPEG PID Stats	Video_MOS	Avg_Loss_Period_Length	Length	Min_Throughput (bps)	Avg_C&C_Status_Heartbeats
WIT EG FID Stats	VIGCO_IVICO	Avg_E035_i chod_Echgui	Min_Loss_Periods_	Will_Tilloughput (bp3)	Avg_odo_claids_i learibeats
Throughput	PES_Throughput	Min_Loss_Period_Length	Length	Max_Throughput (bps)	Min_C&C_Status_Heartbeats
moagnpat	1 EO_THIOUGHPUT	Wiin_Eo33_i Chod_Echgin	Max_Loss_Periods_	Max_Tilloughput (bps)	Will_Odo_Gtatus_Flearibeats
Avg_Throughput	PES_Packets	Max_Loss_Period_Length	Length	Bandwidth (%)	Max_C&C_Status_Heartbeats
Avg_Tilloughput	I LO_I ackers	Avg_Inter-	Avg_Inter-Loss_Periods_	Bandwidth (78)	IVIAX_C&C_Status_Fleatibeats
Min_Throughput	PES_Bytes	Loss_Period_Length	Length	Avg_Bandwidth (%)	C&C_Status_Acks
wiii_rriiougriput	FE3_Bytes			Avg_Baridwidti (%)	C&C_Status_ACKS
May Throughout	I Frames With astPoskets	Min_Inter-	Min_Inter-Loss_Periods_	Min_Bandwidth (%)	Total CSC Status Asks
Max_Throughput	I_Frames_WithLostPackets	Loss_Period_Length	Length Desired	IVIII_Bandwidth (%)	Total_C&C_Status_Acks
CC Errors	P. Framos, WithLostPackets	Max_Inter-	Max_Inter-Loss_Periods_	Max Randwidth (9/)	Avg_C&C_Status_Acks
CC_Errors	P_Frames_WithLostPackets	Loss_Period_Length	Length	Max_Bandwidth (%)	AVY_C&C_SIAIUS_ACKS
Total CC France	B. Framos WithLootBastrate	MDI-DE ()	MDI:DE (ms)	DTCD D-1 ()	Min CRC Status Asi-
Total_CC_Errors Received Packets	B_Frames_WithLostPackets I Frame Rate	MDI:DF (ms)	MDI:DF (ms)	RTCP_Delay (ms)  Avg_RTCP_Delay (ms)	Min_C&C_Status_Acks Max_C&C_Status_Acks
_		Avg_MDI:DF (ms)	Avg_MDI:DF (ms) Min_MDI:DF (ms)	Min RTCP_Delay (ms)	
Total_Received_Packets	P_Frame_Rate	Min_MDI:DF (ms)	_	, ,	C&C_Heartbeat_Interval (ms)
Lost_Packets	B_Frame_Rate	Max_MDI:DF (ms)	Max_MDI:DF (ms)	Max_RTCP_Delay (ms)  MPEG2-TS PID Statistics	Avg_C&C_Heartbeat_Interval (ms)
Total_Lost_Packets	I_Frames	MDI:LR (pps)	MDI:LR (pps)		Min_C&C_Heartbeat_Interval (ms)
Duplicate_Packets	P_Frames	Avg_MDI:LR (pps)	Avg_MDI:LR (pps)	Throughput	Max_C&C_Heartbeat_Interval (ms)
Total_Duplicate_Packets	B_Frames	Min_MDI:LR (pps)	Min_MDI:LR (pps)	Min_Throughput	C&C_Heartbeat_Response (ms)
Percent_Lost_Packets	Percent_I_Frames	Max_MDI:LR (pps)	Max_MDI:LR (pps)	Avg_Throughput	Avg_C&C_Heartbeat_Response (ms)

Avg_Percent_Lost_				1	
Packets	Percent_P_Frames	Out-of-Sequence_Packets	Out-of-Sequence_Packets	Max_Throughput	Min_C&C_Heartbeat_Response (ms)
Min_Percent_Lost_	r credit_r _r raines	Avg Out-of-	Avg Out-of-	wax_moughput	Wiii_Odo_ricaribeat_response (ins)
Packets	Percent_B_Frames	Sequence_Packets	Sequence_Packets	CC_Errors	Max_C&C_Heartbeat_Response (ms)
Max_Percent_Lost_	T CICCII_D_I Tailies	Min Out-of-	Min Out-of-	00_E11013	Max_odo_ricaribeat_response (ms)
Packets	I_Frame_Throughput	Sequence_Packets	Sequence_Packets	Total_CC_Errors	C&C_Heartbeat_Interval_Exceeds (ms)
1 donots	I_T tame_triiougriput	Max Out-of-	Max Out-of-	Total_CO_Endis	Total C&C Heartbeat
PID_Dropout_Errors	P_Frame_Throughput	Sequence_Packets	Sequence Packets	Received_Packets	Interval_Exceeds (ms)
Total_PID_Dropout_	T_Traine_Tribughput	ocquerioc_i ackets	ocquerice_i ackets	received_i acrets	Avg_C&C_Heartbeat_
Errors	B_Frame_Throughput	R-Factor	R-Factor	Total_Received_Packets	Interval_Exceeds (ms)
LIIOIS	B_i fame_filloughput	IN-1 actor	IX-I actor	Total_Neceived_1 ackets	Min_C&C_Heartbeat_
Packet_Count		Avg_R-Factor	Avg_R-Factor	Lost_Packets	Interval_Exceeds (ms)
r acket_count	+	Avg_rt racio	Avg_R racio	Lost_i donoto	Max C&C Heartbeat
Total_Packet_Count		Min R-Factor	Min R-Factor	Total_Lost_Packets	Interval_Exceeds (ms)
Total_Facket_Count		IMIII_K-Factor	IVIII_K-Factor	Total_Lost_Fackets	_ ` ,
Puta Count		Max_R-Factor	Max_R-Factor	Duplicate_Packets	C&C_Heartbeat_Response_ Exceeds (ms)
Byte_Count		IVIAX_R-FACIOI	Max_R-Factor	Duplicate_Packets	
Total Buta Count		VoIP MOS	VoIP_MOS	Total Duplicate Backets	Total_C&C_Heartbeat_Response_Exceeds
Total_Byte_Count		VOIP IVIOS	VOIP_IVIOS	Total_Duplicate_Packets	(ms)
Barrett Barret 199		Acces Made Made	Acces Malin Maga	Description Description	Avg_C&C_Heartbeat_Response_Exceeds
Percent_Bandwidth		Avg_VoIP MOS	Avg_VoIP_MOS	Percent_Lost_Packets	(ms)
A D D d '. lill		Miss Vell MOO	Mir Walls MOO	Ave Bernet Leet Berlete	Min_C&C_Heartbeat_Response_Exceeds
Avg_Percent_Bandwidth		Min_VolP MOS	Min_VoIP_MOS	Avg_Percent_Lost_Packets	(ms)
				5 5	Max_C&C_Heartbeat_Response_Exceeds
Min_Percent_Bandwidth		Max_VoIP MOS	Max_VoIP_MOS	Min_Percent_Lost_Packets	(ms)
Max_Percent_Bandwidth		Throughput (bps)	Throughput (bps)	Max_Percent_Lost_Packets	C&C_Service-not-buffered-yet_Errors
Only in MPM		Avg_Throughput (bps)	Avg_Throughput (bps)	PID_Dropout_Errors	Total_C&C_Service-not-buffered-yet_Errors
				T DID D 5	
Sync_Losses		Min_Throughput (bps)	Min_Throughput (bps)	Total_PID_Dropout_Errors	Avg_C&C_Service-not-buffered-yet_Errors
D. d. d.		Man Thomas (Anna)	Manage Theorem (and (box a)	Paul et Oanst	Miss COO Consists and buffered but Forest
Packets		Max_Throughput (bps)	Max_Throughput (bps)	Packet_Count	Min_C&C_Service-not-buffered-yet_Errors
OLL Bester		D = 1 - 144 (0()	B 1 - 1 111 - (0/)	Total Book of Court	Mary 2000 Danish and by Warn Land France
Old_Packets		Bandwidth (%)	Bandwidth (%)	Total_Packet_Count	Max_C&C_Service-not-buffered-yet_Errors
Bytes		Avg_Bandwidth (%)	Avg_Bandwidth (%)	Byte_Count	C&C_Invalid-retry-request_Errors
		N. D. L. W. (0)	N: 5 1 1 1 1 (04)	T	T
		Min_Bandwidth (%)	Min_Bandwidth (%)	Total_Byte_Count	Total_C&C_Invalid-retry-request_Errors
		Max_Bandwidth (%)	Max_Bandwidth (%)	Bandwidth (%)	Avg_C&C_Invalid-retry-request_Errors
		RTCP_Delay (ms)	RTCP_Delay (ms)	Avg_Bandwidth (%)	Min_C&C_Invalid-retry-request_Errors
		Avg_RTCP_Delay (ms)	Avg_RTCP_Delay (ms)	Min_Bandwidth (%)	Max_C&C_Invalid-retry-request_Errors
		Min_RTCP_Delay (ms)	Min_RTCP_Delay (ms)	Max_Bandwidth (%)	C&C_No-such-service_Errors
		Max_RTCP_Delay (ms)	Max_RTCP_Delay (ms)		Total_C&C_No-such-service_Errors
		Only in MPM			Avg_ C&C_No-such-service_Errors
		RTP_Throughput			Min_C&C_No-such-service_Errors
		RTP_Lost_Packets			Max_C&C_No-such-service_Errors
		RTP_Percent_			lana N
		Lost_Packets			C&C_No-such-session_Errors
		RTP_Loss_Periods			Total_C&C_No-such-session_Errors
		RTP_Avg_			l
		Loss_Period_Length			Avg_C&C_No-such-session_Errors
		RTP_Avg_			
		Inter_Loss_Period_Length			Min_C&C_No-such-session_Errors
		RTP_Out_Of_Sequence			Max_C&C_No-such-session_Errors
		RTP_Jitter			C&C_Session-error_Errors
		RTCP_Delay			Total_C&C_Session-error_Errors
		RTP_MDI_LR			Avg_C&C_Session-error_Errors
		RTP_MDI_DF			Min_C&C_Session-error_Errors
		RTP_BitRate_Variability			Max_C&C_Session-error_Errors
		RTP_Received_Packets			C&C_Unsupported-version_Errors

	<u></u>					T.
			RTP_Packets			Total_C&C_Unsupported-version_Errors
			RTP_Bytes			Avg_C&C_Unsupported-version_Errors
			RTP_Percent_ Bandwidth			Min_C&C_Unsupported-version_Errors
						Max_C&C_Unsupported-version_Errors
						C&C_Server-full_Errors
						Total_C&C_Server-full_Errors
						Avg_C&C_Server-full_Errors
						Min_C&C_Server-full_Errors
						Max_C&C_Server-full_Errors
						C&C_Duplicate-join_Errors
						Total_C&C_Duplicate-join_Errors
						Avg_C&C_Duplicate-join_Errors
						Min_C&C_Duplicate-join_Errors
						Max_C&C_Duplicate-join_Errors
						 C&C_Duplicate-session-ID_Errors
<del></del>						 Total_C&C_Duplicate-session-ID_Errors
						Avg_C&C_Duplicate-session-ID_Errors Min_C&C_Duplicate-session-ID_Errors
						IVIII_C&C_Duplicate-session-iD_Entits
						Max_C&C_Duplicate-session-ID_Errors
						C&C_Bad-bit-rate_Errors
						Total_C&C_Bad-bit-rate_Errors
						Avg_C&C_Bad-bit-rate_Errors
						Min_C&C_Bad-bit-rate_Errors
						Max_C&C_Bad-bit-rate_Errors
						C&C_Session-destroyed-by-server_Errors
						Total_C&C Session-destroyed-by-server Errors
						Avg_C&C_Session-destroyed-by- server_Errors
						Min_C&C_Session-destroyed-by-
						server_Errors
						Max_C&C_Session-destroyed-by-
						server_Errors
						 RUDP_Holes
						Total_RUDP_Holes
						Avg_RUDP_Holes
						Min_RUDP_Holes
						Max_RUDP_Holes
						RUDP_Hole_Fullfillments
						Total_RUDP_Hole_Fullfillments
						Avg_RUDP_Hole_Fullfillments
						Min_RUDP_Hole_Fullfillments
	1					Max_RUDP_Hole_Fullfillments
						RUDP_Fullfilled_Holes
	1	1		-		Total_RUDP_Fullfilled_Holes
						Avg_RUDP_Fullfilled_Holes
						Min_RUDP_Fullfilled_Holes Max_RUDP_Fullfilled_Holes
						RUDP_Fullfilled_Holes
						Total_RUDP_Unfullfilled_Holes
	+					Avg_RUDP_Unfullfilled_Holes
	1	1		1		Min RUDP Unfullfilled Holes
1					I	IVIIII_IXODI _OTIIGIIIIIIGU_I IOIGS

1	1	T	T	Ta.	DUDD 11-6 HCH-1 11-1
					ax_RUDP_Unfullfilled_Holes
					UDP_Percent_Fullfillment
					vg_RUDP_Percent_Fullfillment
					in_RUDP_Percent_Fullfillment
				N	ax_RUDP_Percent_Fullfillment
				R	UDP_Retry_Requests
				A	vg_RUDP_Retry_Requests
					in_RUDP_Retry_Requests
				N	ax_RUDP_Retry_Requests
				R	UDP_Requested_Retry_Packets
				_	
					otal_RUDP_Requested_Retry_Packets
					vg_RUDP_Requested_Retry_Packets
					in_RUDP_Requested_Retry_Packets
				N	ax_RUDP_Requested_Retry_Packets
				R	UDP_Actual_Retry_Packets
				Т	otal_RUDP_Actual_Retry_Packets
				A	vg_RUDP_Actual_Retry_Packets
				N	in_RUDP_Actual_Retry_Packets
				N	ax_RUDP_Actual_Retry_Packets

Views	Parameter	<b>Definition</b>
	MPEG-2 TS Stream	
	Stats/Transport Stream and	
	Program Stats	
	Throughput	Displays the throughput of the specific MPEG2-TS stream in the sample interval.
	Min_Throughput	Displays the smallest throughput detected from the sample intervals in the measurement run.
	Avg_Throughput	Displays the average of all the throughput values detected from the sample intervals in the measurement run.
	Max_Throughput	Displays the largest throughput of all the throughput values detected from the sample intervals in the measurement run.
		Displays the MDI:DF value of the sample interval.
		MDI, which stands for Media Delivery Index, describes the IP cumulative jitter and packet loss rate that indicate
		instantaneous or long-term IP transport issues of networks carrying the streaming media such as MPEG video. The MDI is
		independent of the video encoding scheme and serves as a lightweight, scalable alternative to measurements that decode
		and examine the video itself. (Media Deliver Index, RFC 4445)
		Delay Factor is the indicator of jitter and delay issues of the MPEG media stream. It is the maximum difference, observed at
		the end of each media stream packet, between the arrival of media data and the drain of media data. The DF value
	MDI_DF	increases as the jitter of the MPEG2-TS stream gets greater.
	Min_MDI_DF	Displays the smallest MDI:DF value of all the MDI:DF values detected in the measurement run.
	Avg_MDI_DF	Displays the average of all the MDI:DF values detected in the measurement run.
		Displays the largest MDI:DF value of all the MDI:DF values detected in the measurement run. The maximum DF value
		indicates the smallest latency that the network can tolerate to deliver the MPEG2-TS stream. A phenomenal deviation of the
	Max_MDI_DF	maximum DF value from the average DF value might suggest a significant jitter.
MDEGG TO		Displays the MDI:LR value of the sample interval.
MPEG2_TS		Loss Rate is the count of lost or out-of-order flow packets over a selected time interval, where the flow packets are packets
(blue indicates		carrying streaming application information. The LR value increases as the MPEG2-TS stream loses packets. Any
metrics specific	_	occurrence of LR is intolerable since packet loss will reduce the QoE significantly.
for MPM)	Min_MDI_LR	Displays the smallest MDI:LR value of all the MDI:LR values detected in the measurement run.
	Avg_MDI_LR	Displays the average of all the MDI:LR values detected in the measurement run.
	Max_MDI_LR	Displays the largest MDI:LR value of all the MDI:LR values in the measurement run.
		Displays the variation in the timing of received DCD timestamps in the completionary IDCD, or Drogram Cleak Deference
		Displays the variation in the timing of received PCR timestamps in the sample interval. PCR, or Program Clock Reference,
		is fundamental to the timing recovery mechanism for MPEG2 transport streams. PCR values are embedded into the adaptation field within the transport packets of defined PIDs.
		PCR jitter is often independent of other kinds of jitter exhibited by incoming traffic because it is based on a different clock
		source. Therefore it is sometimes displayed with a different value than regular network jitter. The PCR jitter tolerance is 500
	PCR Jitter	ns, excluding the errors in packet arrival times due to network jitter or other network impairments in the network layer
	1 Ort_onter	Displays the smallest variation in the timing of received PCR timestamps detected from the sample intervals in the
	Min_PCR_Jitter	measurement run.
	Will_I CIT_ORCI	Displays the average variation in the timing of received PCR timestamps detected from the sample intervals in the
	Avg_PCR_Jitter	measurement run.
	7.19 <u>_</u> .	Displays the largest variation in the timing of received PCR timestamps detected from the sample intervals in the
	Max_PCR_Jitter	measurement run.
	max or t_omo.	Displays the rate of the PAT packet transported in the sample interval. This result indicates the number of PAT packet
		delivered per ms. (in Transport Stream and Program Statistics grid)
		Displays the rate of the PAT packets transported in the sample interval. This result indicates the number of PAT packet
	PSI_Rate	delivered per ms. (for Multiplay Performance Manager)
	Min PSI Rate	Displays the smallest rate of the PAT packet transported in the measurement run.
	Avg_PSI_Rate	Displays the average rate of the PAT packet transported in the measurement run.
	Max PSI Rate	Displays the largest rate of the PAT packet transported in the measurement run.
		1

		Displays the transport rate of PCR packets for the specific program detected from the sample interval. The result indicates
	PCR_Rate	the time difference between two PCR packets.
		Displays the smallest transport rate of PCR packets for the specific program detected from the sample intervals in the
	Min_PCR_Rate	measurement run. The result indicates the time difference between two PCR packets.
		Displays the average transport rate of PCR packets for the specific program detected from the sample intervals in the
	Avg_PCR_Rate	measurement run. The result indicates the time difference between two PCR packets.
		Displays the largest transport rate of PCR packets for the specific program detected from the sample intervals in the
	Max_PCR_Rate	measurement run. The result indicates the time difference between two PCR packets.
		Displays the number of PSI (program specific information) packets associated with this stream ID in the sample interval.
		Specifically in Triple Play Analyzer, this metric is defined as the number of accumulated PAT (program association table)
		packets. (Summary grid and TS and Program Statistics gird)
		Displays the number of PSI (program specific information) packets associated with this stream ID in the sample interval.
		Specifically in Triple Play Analyzer, this metric is defined as the number of accumulated PAT (program association table)
	PSI_Count	packets. (MPM)
	T	Displays the total number of PSI (program specific information) packets associated with this stream ID in the measurement
	Total_PSI_Count	run.
		Displays the number of PSI errors associated with the stream in the sample interval.
		A PSI error is counted if one or more of the following conditions exist:
	PSI Errors	1.The value of Transport Scrambling Control is not zero     2.The value of Table ID is not zero
	Total_PSI_Errors	Displays the total number of PSI errors associated with the stream in the measurement run.
MPEG2_TS	Total_PSI_EITOIS	Displays the total number of PSI errors associated with the stream in the measurement run.
(blue indicates		Displays the number of late PSI errors associated with the specific stream in the sample interval. A late PSI error is defined
metrics specific		as the condition when the time interval between two consecutive PAT packets is more than 500 ms.
for MPM)		The Program Association Table (PAT), which only appears in PID 0x0000 packets, tells the decoder what programs are in
		the TS and points to the Program Map Tables (PMT) which in turn point to the component video, audio and data streams
	Late PSI Errors	that make up the program. If the PAT is missing then the decoder can do nothing, no program is decodable.
	Total_Late_PSI_Errors	Displays the total number of late PSI errors associated with the stream in the measurement run.
		Displays the number of CRC errors associated with PSI packets (PAT and PMT packets only). CRC (Cyclic Redundancy
		Check) errors indicate that the content of the corresponding PAT or PMT is corrupted. In this case no further error indication
	PSI_CRC_Errors	should be derived from the content of the corresponding table.
	Total_PSI_CRC_Errors	Displays the total number of CRC errors associated with PSI packets (PAT and PMT packets only) in the measurement run.
	PCR_Count	Displays the number of PCR (program clock reference) timestamps associated with the stream in the sample interval.
	Total_PCR_Count	Displays the total number of late PCR (program clock reference) associated with the stream in the measurement run.
		Displays the number of late PCR errors associated with the stream in the sample interval.
	Late_PCR_Errors	A late PCR error occurs when the time interval between two consecutive PCR timestamps is more than 40 ms.
	Total_Late_PCR_Errors	Displays the total number of late PCR errors associated with the stream in the measurement run.
		Displays the number of discontinuity errors for PCR timestamps associated with the stream.
	DOD D: (1 ) E	A PCR discontinuity error occurs when the difference between two consecutive PCR timestamps is outside the range of 0 to
	PCR_Discontinuity_Errors	100 ms without a discontinuity indicator being set.
	Total DCD Diagontinuity Fr	Displays the total purple or of dispositive in a popular popul
	Total_PCR_Discontinuity_Errors	Displays the total number of discontinuity errors for PCR timestamps associated with the stream in the measurement run.

		Displays the number of times that the PCR accuracy of the selected program is not within ±500 ns. The accuracy of ±500 ns
	PCR_Accuracy_Errors	is intended to be sufficient for the color subcarrier to be synthesized from system clock.
		Displays the total number of times that the PCR accuracy of the selected program is not within ±500 ns in the measurement
	Total_PCR_Accuracy_Errors	run.
		Displays the number of sync byte errors associated with the stream. Sync byte errors are defined as the value 0x47 not
		being present as the first byte of the MPEG transport header. Sync byte correctness is important because it is used
	Sync_Byte_Errors	throughout the channel encoder and decoder chains for synchronization.
	Total_Sync_Byte_Errors	Displays the total number of sync byte errors associated with the stream in the measurement run.
	7.12	
		Displays the number of sync byte losses detected associated with the specific stream. A sync byte loss is defined as the
	Sync_Byte_Losses	condition when two or more consecutive corrupted or missing sync bytes occur within the MPEG2 transport stream
	, -, -	
	Total_Sync_Byte_Losses	Displays the total number of sync byte losses detected associated with the specific stream in the measurement run.
		Displays the number of times the transport error indicator bit in the MPEG2 transport stream header is set to "1". When set
	Transport_Errors	to "1", it indicates that at least 1 uncorrectable bit error exists in the associated Transport Stream packet.
		Displays the total number of times the transport error indicator bit in the MPEG2 transport stream header is set to "1" in the
	Total_Transport_Errors	measurement run.
		Displays the number of CAT (conditional access table) errors associated with the specific stream. A CAT error occurs when
		scrambling is indicated in a program packet, but a conditional access table is lacking. A CAT error also occurs when the
MPEG2_TS		CAT points to a nonexistent or garbled entitlement management message (EMM). If the CAT is not present, the receiver is
(blue indicates		not able to receive management messages.
metrics specific		In other words, when one or more of the following conditions exist, a CAT error occurs:
for MPM)		1. The value of Transport Scrambling Control is not zero, but no section with table_id = 0x01 present;
	CAT_Errors	2.The value of Table ID is not 0x01 for PID 0x0001.
	T 1 1 0 1 T	Displays the total number of CAT (conditional access table) errors associated with the specific stream in the measurement
	Total_CAT_Errors	run.
	CAT CDC France	The number of times a CRC (cyclic redundancy check) error detected within the conditional access table (CAT) associated with the specific stream.
	CAT_CRC_Errors	Displays the total number of times a CRC (cyclic redundancy check) error detected within the conditional access table (CAT)
	Total_CAT_CRC_Errors	for the specific stream in the measurement run.
	Packet Count	Displays the number of packets seen for this particular stream.
	Total_Packet Count	Displays the total number of packets seen for this particular stream in the measurement run.
	Byte_Count	Displays the rotal hamber of backets seen for this particular stream.
	Total_Byte_Count	Displays the total number of bytes seen for this particular stream in the measurement run.
	Total_Byte_Count	Displaye the total number of bytes seen for this particular stream in the measurement run.
	Spurious_Packets	Displays the number of packets that are not associated with any specific program or signaling exchange for this stream.
		Displays the total number of packets that are not associated with any specific program or signaling exchange for this stream
	Total_Spurious_Packets	in the measurement run.
		Displays the number of sync losses detected for the selected stream. A sync loss is defined as the condition when two or
	Sync_Losses	more consecutive corrupted or missing sync bytes occur within the MPEG2 transport stream.
	Packets	Displays the number of packets seen for this particular stream.
		Displays the number of old packets associated with this stream ID. Old Packets are defined as those packets for which the
	Old_Packets	PID found in the elementary stream was once, but no longer is, in the most recent seen PAT.
	Bytes	Displays the number of bytes seen for this particular stream.

	MPEG PID Stats	
		Displays the throughput of the appoint MDECO TC atracts in the completions of
	Throughput	Displays the throughput of the specific MPEG2-TS stream in the sample interval.
	Min_Throughput	Displays the smallest throughput detected from the sample intervals in the measurement run.
	Avg_Throughput	Displays the average of all the throughput values detected from the sample intervals in the measurement run.
	Max_Throughput	Displays the largest throughput of all the throughput values detected from the sample intervals in the measurement run.
		Displays the number of CC errors detected from the traffic associated with the particular program ID in the sample interval.
		CC (Continuity Counter) errors are defined as the condition when the number in the CC field of a transport stream packet
	CC_Errors	(per PID) does not track in sequence in relation to previously received packets.
		Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
	Total_CC_Errors	measurement run.
	Received_Packets	Displays the number of packets associated with the particular program ID in the sample interval.
	Total_Received_Packets	Displays the total number of packets associated with the particular program ID in the measurement run.
		Displays the number of packets lost associated with this program ID in the sample interval. This number is determined by
	Lost_Packets	detecting missing protocol sequence numbers or by inference from CC errors.
	Total_Lost_Packets	Displays the total number of packets lost associated with this program ID in the measurement run.
	Duplicate_Packets	Displays the number of duplicated packets associated with the particular stream ID.
	Total_Duplicate_Packets	Displays the total number of duplicated packets associated with this program ID in the measurement run.
		Displays the percentage of the total expected packets that are lost/missing associated with the particular program ID in the
	Percent_Lost_Packets	sample interval.
(blue indicates		Displays the smallest percentage of the total expected packets that are lost/missing associated with the particular program
metrics specific	Min_Percent_Lost_Packets	ID in the measurement run.
for MPM)		Displays the average percentage of the total expected packets that are lost/missing associated with the particular program
101 1111 1111	Avg_Percent_Lost_Packets	ID in the measurement run.
		Displays the largest percentage of the total expected packets that are lost/missing associated with the particular program ID
	Max_Percent_Lost_Packets	in the measurement run.
		Displays the number of times when two consecutive packets in a PID stream occurs with an interval longer than the
	PID_Dropout_Errors	threshold value. Generally the threshold is 500ms for video, 1000ms for audio, and 5000ms for other type of PID stream.
		Displays the total number of times when two consecutive packets in a PID stream occurs with an interval longer than the
	Total_PID_Dropout_Errors	threshold value in the measurement run.
	Packet Count	Displays the number of packets seen for this particular stream.
	Total Packet Count	Displays the total number of packets seen for this particular stream in the measurement run.
	Byte Count	Displays the number of bytes seen for this particular stream.
	Total Byte Count	Displays the total number of bytes seen for this particular stream in the measurement run.
		Displays the percentage of the capacity of the physical link used by the traffic associated with the particular stream to the
	Percent_Bandwidth	overall capacity of the traffic that TPA is monitoring.
		Displays the smallest percentage of the capacity of the physical link used by the traffic associated with the particular stream
	Min_Percent_Bandwidth	to the overall capacity of the traffic that TPA is monitoring in the measurement run.
		Displays the average percentage of the capacity of the physical link used by the traffic associated with the particular stream
	Avg_Percent_Bandwidth	to the overall capacity of the traffic that TPA is monitoring in the measurement run.
		Displays the largest percentage of the capacity of the physical link used by the traffic associated with the particular stream to
	Max_Percent_Bandwidth	the overall capacity of the traffic that TPA is monitoring in the measurement run.

	Video	Displays the video resolution of the video stream that TPA has detected, as represented in the form of horizontal pixels by vertical pixels.
	Video_Aspect Ratio	Displays the aspect ratio of the video stream TPA has detected. Values include: 4:3 for standard-definition TV, 16:9 for high-definition TV, 1.85:1, for theatrical film, and 2.35:1 for Widescreen theatrical film.
		Displays the rate at which the unique consecutive images (frames) are transported in the video stream. The unit is
	Video_Frame_Rate	represented in Hz and the value range is: 23.976/24.0/25.0/29.97/30.0/50.0/59.94/60
	Video_Bit_Rate	Displays the rate at which the video stream is transported per second.
	Video_Sample_Bytes	Displays the number of bytes in the detected PES packets.
	Video_Total_Bytes	Displays the total number of bytes in the detected PES packets in the measurement run.
	Video_Sample_Packets	Displays the number of PES packets in the sample interval.
	Video_Total_Packets	Displays the total number of PES packets in the measurement run.
		Displays the MOS degradation score as opposed to the MOS score, indicating the extent of degradation of the video quality.
	MOS Degradation	The values ranges from 0 to 5, with 0 representing the least degradation.
	MOS Degradation_Average	Displays the average MOS degradation score in the measurement run.
	MOS Degradation_Minimum	Displays the lowest MOS degradation score in the measurement run.
	MOS Degradation_Maximum	Displays the highest MOS degradation score in the measurement run.
	GOP Pattern	Displays the type of GOP (Group of Pictures). For example, lbbPbbPbb.
	GOP Pattern_Pattern Length	Displays the length of the GOP pattern. The maximum value is 64.
	GOP Pattern_State	Displays the state machine of the GOP pattern. Values include: Set, Probation and Searching.
MPEG_PES Video	0000	Displays the number of times when the GOP patterns are the same for the sample intervals during the measurement run.
(blue indicates	GOP Pattern_Sample Matches	This value is valid only when the State of the GOP pattern is Set.
metrics specific	COR Dettern Comple Mismatches	Displays the number of times when the GOP patterns are not the same for the sample intervals during the measurement
for MPM)	GOP Pattern_Sample Mismatches	run. This value is valid only when the State of the GOP pattern is Set.  Displays the accumulated number of times when the GOP patterns are the same during the measurement run. This value is
	GOP Pattern_Total Matches	valid only when the State of the GOP pattern is Set.
	GOF Fattern_Total Matches	Displays the accumulated number of times when the GOP patterns are not the same during the measurement run. This
	GOP Pattern_Total Mismatches	value is valid only when the State of the GOP pattern is Set.
	I-Frames	Displays the number of I-Frames in the sample interval.
	I-Frames_Total	Displays the accumulative number of I-Frames in the measurement run.
	I-Frames_Sample With Lost	Signate and additional manager of the angel
	Packets	Displays the number of I-Frames with packets dropped in the sample interval.
	I-Frames_Total with Lost Packets	Displays the accumulative number of I-Frames with packets dropped in the measurement run.
	I-Frames_Percent-Sample	Displays the ratio of I-Frames to the total number of frames in the sample interval.
	I-Frames_Percent-Average	Displays the ratio of I-Frames to all the frames in the measurement run.
	I-Frames_Percent-Minimum	Displays the smallest ratio of I-Frames to all the frames in the measurement run.
	I-Frames_Percent-Maximum	Displays the largest ratio of I Frames to all the frames in the measurement run.
	I-Frames_Rate-Sample	Displays the rate at which I-Frames are transported in the sample interval.
	I-Frames_Rate-Aveage	Displays the average rate at which I-Frames are transported in the measurement run.
	I-Frames_Rate-Minimum	Displays the smallest rate at which I-Frames are transported in the measurement run.
	I-Frames_Rate-Maximum	Displays the largest rate at which I-Frames are transported in the measurement run.
	P-Frames	Displays the number of P-Frames in the sample interval.
	P-Frames_Total	Displays the accumulative number of P-Frames in the measurement run.

	P-Frames_Sample With Lost	
	Packets	Displays the number of D France with posters drapped in the completions of
	Packets	Displays the number of P-Frames with packets dropped in the sample interval.
	55 51 71 11 15 11	
		Displays the accumulative number of P-Frames with packets dropped in the measurement run.
	P-Frames_Percent-Sample	Displays the ratio of P-Frames to the total number of frames in the sample interval.
	P-Frames_Percent-Average	Displays the ratio of P-Frames to all the frames in the measurement run.
	P-Frames_Percent-Minimum	Displays the smallest ratio of P-Frames to all the frames in the measurement run.
	P-Frames_Percent-Maximum	Displays the largest ratio of P-Frames to all the frames in the measurement run.
	P-Frames_Rate-Sample	Displays the rate at which P-Frames are transported in the sample interval.
	P-Frames_Rate-Aveage	Displays the average rate at which P-Frames are transported in the measurement run.
	P-Frames_Rate-Minimum	Displays the smallest rate at which P-Frames are transported in the measurement run.
	P-Frames Rate-Maximum	Displays the largest rate at which P-Frames are transported in the measurement run.
	B-Frames	Displays the number of B-Frames in the sample interval.
	B-Frames_Total	Displays the accumulative number of B-Frames in the measurement run.
	B-Frames_Sample With Lost	- spraye are determined to a realise and are determined and are determined as a second and a second are determined as a second ar
	Packets	Displays the number of B-Frames with packets dropped in the sample interval.
	1 ackets	Displays the number of b-1 fames with packets dropped in the sample interval.
	B-Frames Total with Lost Packets	Displays the accumulative number of B-Frames with packets dropped in the measurement run.
	B-Frames_Percent-Sample	Displays the ratio of B-Frames to the total number of frames in the sample interval.
	B-Frames_Percent-Average	Displays the average ratio of B-Frames to all the frames in the measurement run.
	B-Frames_Percent-Minimum	Displays the smallest ratio of B-Frames to all the frames in the measurement run.
	D. Francisco Dennant Marriagona	Displays the largest ratio of B-Frames to all the frames in the measurement run.
WIFEG_FES VIGEO	B-Frames_Rate-Sample	Displays the rate at which B-Frames are transported in the sample interval.
(blue indicates	B-Frames_Rate-Aveage	Displays the rate at which B-Frames are transported in the measurement run.
metrics specific	B-Frames_Rate-Minimum	Displays the smallest rate at which B-Frames are transported in the measurement run.
for MPM)	B-Frames Rate-Maximum	Displays the smallest rate at which B-Frames are transported in the measurement run.
	b-Frames_Rate-Maximum	
		The Mean Opinion Score (MOS) value of the particular video stream. MOS is a numerical indication of the perceived quality
	V. 1 MOO	of media after it has been compressed, transmitted, and received. It is expressed as a single number in the range of 1 to 5,
	Video MOS	where 1 is lowest perceived quality, and 5 is the highest.
	PES_Throughput	The throughput of the specific MPEG2-PES stream in the sample interval.
	PES_Packets	The number of PES packets associated with the particular MPEG-PES stream in the sample interval
	PES_Bytes	The number of bytes in the detected PES packets in the sample interval.
	I_Frames_WithLostPackets	The number of I-Frames with packets dropped in the sample interval.
	P_Frames_WithLostPackets	The number of P-Frames with packets dropped in the sample interval.
	B_Frames_WithLostPackets	The number of B-Frames with packets dropped in the sample interval.
	I_Frame_Rate	The rate at which I-Frames are transported in the sample interval.
	P_Frame_Rate	The rate at which P-Frames are transported in the sample interval.
	B_Frame_Rate	The rate at which B-Frames are transported in the sample interval.
	I_Frames	The number of I-Frames in the sample interval.
	P_Frames	The number of P-Frames in the sample interval.
1	B Frames	The number of B-Frames in the sample interval.
	Percent_I_Frames	The ratio of I-Frames to the total number of frames in the sample interval.
	Percent_P_Frames	The ratio of P-Frames to the total number of frames in the sample interval.
	Percent_B_Frames	The ratio of B-Frames to the total number of frames in the sample interval.
	I_Frame_Throughput	The throughput of I-Frames in the sample interval.
	P_Frame_Throughput	The throughput of 1-Frames in the sample interval.  The throughput of P-Frames in the sample interval.
	B_Frame_Throughput	The throughput of B-Frames in the sample interval.

		Displays the number of IGMP hosts engaged in the specific multicast group selected in the Multicast Group list. This can in
		turn be translated to the count of viewers watching the specific channel/media stream. Each time an IGMP host joins the
	Viewers	specific multicast group, one viewer is counted.
		Displays the number of IGMP Join messages detected during the sample interval. Join messages are usually sent by the
		IGMP host to join a multicast group. You can specify this number (an integer in the range of 1 to 5) in the Active IGMP tab
	Joins	when configuring the Active IGMP testing.
	00110	Displays the number of times when the IGMP host joins the multicast group in the sample interval. When the IGMP host
	Successful_Joins	receives the First PAT packet, one successful Join is counted.
	Ouccessiui_Joins	Displays the number of times when no PAT packet is received after an IGMP host sends the first Join message to join the
	Failed_Joins	· · · · · · · · · · · · · · · · · · ·
	raileu_Joills	multicast group.
		Displays the number of IGMP Leave messages detected during the sample interval. Leave messages are usually sent by
	Leaves	the IGMP host to leave a multicast group.
		Displays the number of group-specific IGMP Query message detected during the sample interval. Group-specific messages
	Group-Specific_Queries	are sent by an IGMP router to the IGMP hosts about which specified multicast group the host is a member of
IGMP_Statistics		Displays the number of unanswered group-specific IGMP Query message detected during the sample interval. When a
(blue indicates		group-specific query is received but the previous group-specific query is not responded to, one unanswered query is
metrics specific	Unanswered Queries	counted.
for MPM)		
ioi wii wi)		Display the time delay experienced by the viewer for the system to change from one channel to another, i.e., the time
		between pushing the remote control button and the first video frame being rendered on at the viewer's premise. In TPA. this
	Zap_Time	metric refers to the time from issuing the first Join request to receiving the first MPEG TS packet with a PAT.
	Response_Time	Displays the time it takes for an IGMP host to respond to the group-specific Query message from an IGMP router
		Displays the number of IGMP Join messages detected during the sample interval. Join messages are usually sent by the
		IGMP host to join a multicast group. You can specify this number (an integer in the range of 1 to 5 )in the Active IGMP tab
	IGMP_Joins	when configuring the Active IGMP testing.
		Displays the number of times when the IGMP host joins the multicast group in the sample interval. When the IGMP host
	IGMP Successful Joins	receives the First PAT packet, one successful Join is counted.
		Displays the number of IGMP Leave messages detected during the sample interval. Leave messages are usually sent by
	IGMP_Leaves	the IGMP host to leave a multicast group.
		Display the time delay experienced by the viewer for the system to change from one channel to another, i.e., the time
		between pushing the remote control button and the first video frame being rendered on at the viewer's premise. In TPA. this
	IGMP_Zap_Time	metric refers to the time from issuing the first Join request to receiving the first MPEG TS packet with a PAT.
	RTP Multimedia/RTP Stream	
	(Select Grid)	
	,	Displays the multimedia or VoIP streams detected from the ISMA session or VoIP session. Separate streams are
RTP Multimedia/	RTP Multimedia/RTP Stream	differentiated by the same source address and different destination address.
RTP VoIP	Throughput (bps)	Displays the throughput of the specific RTP stream in the sample interval.
_	Min_Throughput (bps)	Displays the smallest throughput of the specific RTP stream in the measurement run.
	Avg_Throughput (bps)	Displays the average throughput of the specific RTP stream in the measurement run.
for MPM)	Max_Throughput (bps)	Displays the diverge throughput of the specific RTP stream in the measurement run.
	Lost_Packets (%)	Displays the biggest throughput of the specific RTP stream in the sample interval.
	Min_Lost Packets (%)	Displays the smallest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Avg_Lost Packets (%)	Displays the average ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	AVY_LOSE I AUREIS (70)	populys the average ratio of lost packets to all the packets in the specific ICTT sheath in the measurement full.

	Max_Lost Packets (%)	Displays the biggest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
		Displays the MOS score for the specific VoIP stream. The values ranges from 0 to 5, with 5 that represents the best user
	VoIP_MOS	experience quality.
	Min_VoIP_MOS	Displays the lowest MOS score for the specific VoIP stream in the measurement run.
	Avg_VoIP_MOS	Displays the average MOS score for the specific VoIP stream in the measurement run.
	Max_VoIP_MOS	Displays the highest MOS score for the specific VoIP stream in the measurement run.
	Jitter (ms)	Displays the variation in the timing of received packet timestamps in the sample interval.
	Min_Jitter (ms)	Displays the smallest variation in the timing of received packet timestamps detected from the RTP stream.
	Avg_Jitter (ms)	Displays the average variation in the timing of received packet timestamps detected from the RTP stream.
	Max_Jitter (ms)	Displays the largest variation in the timing of received packet timestamps detected from the RTP stream.
		Displays the MDI:DF value of the sample interval. MDI, which stands for Media Delivery Index, describes the IP cumulative
	110,05 ( )	jitter and packet loss rate that indicate IP transport issues separated from RTP issues. Only the MDI of constant bit rate
	MDI:DF (ms)	stream will computed.
	Min_MDI:DF (ms)	Displays the smallest MDI:DF value in the measurement run.
	Avg_MDI:DF (ms)	Displays the average MDI:DF value in the measurement run.
	Max_MDI:DF (ms)	Displays the biggest MDI:DF value in the measurement run.
		Displays the MDM Dusting of the country internal
		Displays the MDI:LR value of the sample interval.
	MDI:LR (pps)	Loss Rate is the count of lost or out-of-order flow packets over a selected time interval, where the flow packets are packets carrying streaming application information. Only the MDI of constant bit rate stream will be computed.
	Min_MDI:LR (pps)	Displays the smallest MDI:LR value in the measurement run.
	Avg_MDI:LR (pps)	Displays the average MDI:LR value in the measurement run.
	Max_MDI:LR (pps)	Displays the biggest MDI:LR value in the measurement run.
(blue indicates	Wax_WDI.ER (pps)	Displays the biggest MDI.EIV value in the measurement fun.
metrics specific		Displays the value of R-factor, the metrics in VoIP which use a formula to take into account both user perceptions and the
	R-Factor	cumulative effect of equipment impairments to arrive at a numeric expression of voice quality.
10	Min_R-Factor	Displays the smallest R-factor value in the measurement run.
	Avg_R-Factor	Displays the average R-factor value in the measurement run.
	Max_R-Factor	Displays the biggest R-factor value in the measurement run.
	RTP Multimedia/RTP Stream	
	(Detail Grid)	
		The source of a stream of RTP packets, identified by a 32-bit numeric SSRC identifier carried in the RTP header so as not to
		be dependent upon the network address. The SSRC identifier is a randomly chosen value meant to be globally unique within
	SSRC	a particular RTP session.
	Davida a d	Devided the Production with a series OC 407 MAY be defined the series by the series and series because
	Payload Start_Time	Payload type. Payload type values in the range 96-127 MAY be defined dynamically through a conference control protocol
	End_Time	The time when the specific RTP stream starts, indicating time of arrival of the first RTP packet.  The time when the specific RTP stream ends, indicating time of arrival of the last RTP packet.
	End_time	The time length that the specific RTP stream lasts, as a result of the End Time minus the Start Time. The value is rounded
	Duration	to second.
	Duration	A flag indicating whether the stream is of constant Bit Rate. The value is either Yes or No.
		If the variety of bit rate is in the value range of the specified Maximum Variability, the stream is considered to use constant
		bit rate. Refer to the General Tab of the Configuration dialog box. "Samples to determine Bit Rate Type" and "Constant Bit
	CBR	Rate Maximum Variability".
		The variability of the bit rate, calculated as a result of (Max Bit Rate - Min Bit Rate)/ Max Bit Rate.
	Bit_Rate_Variability (%)	This value is used to determine CBR.
	Packet_Count	The number of RTP packets associated with the specific RTP stream in the sample interval.
	Total_Packet_Count	The total number of RTP packets associated with the specific RTP stream in the measurement run.

	D	The state of the s
	Byte_Count	The number of bytes associated with the specific RTP stream in the sample interval.
	Total_Byte_Count	The total number of bytes associated with the specific RTP stream in the measurement run.
	Received_Packets	The number of RTP packets received from the specific RTP stream.
	Total_Received_Packets	The total number of RTP packets received from the specific RTP stream in the measurement run.
	Lost_Packets	The number of RTP packets dropped from the specific RTP stream.
	Total_Lost_Packets	The total number of RTP packets dropped from the specific RTP stream in the measurement run.
	Lost_Packets (%)	Displays the ratio of lost packets to all the packets in the specific RTP stream in the sample interval.
	Min_Lost_Packets (%)	Displays the smallest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Avg_Lost_Packets (%)	Displays the average ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Max_Lost_Packets (%)	Displays the biggest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Jitter (ms)	Displays the variation in the timing of received packet timestamps in the sample interval.
	Min_Jitter (ms)	Displays the smallest variation in the timing of received packet timestamps detected from the RTP stream.
	Avg_Jitter (ms)	Displays the average variation in the timing of received packet timestamps detected from the RTP stream.
	Max_Jitter (ms)	Displays the largest variation in the timing of received packet timestamps detected from the RTP stream.
	, ,	The number of loss periods detected in the specific RTP stream. A loss period is the time period when packet loss occurs.
	Loss_Periods	During a loss period, one or more than one lost packets are detected.
	Min_Loss_Periods	The smallest number of loss periods detected in the specific RTP stream in the measurement run.
	Avg_Loss_Periods	The average number of loss periods detected in the specific RTP stream in the measurement run.
	Max_Loss_Periods	The biggest number of loss periods detected in the specific RTP stream in the measurement run.
	Min_Loss_Period_Length	The smallest length of loss periods detected in the specific RTP stream in the measurement run.
		The average length of loss periods detected in the specific RTP stream in the measurement run. Loss period length refers to
RTP_Multimedia/	Avg_Loss_Period_Length	the count of lost RTP packets in the single loss period.
RTP VoIP	Max_Loss_Period_Length	The biggest length of loss periods detected in the specific RTP stream in the measurement run.
(blue indicates	Min_Inter-Loss_Period_Length	The smallest length of inter-loss periods detected in the specific RTP stream in the measurement run.
metrics specific	g	The average length of inter-loss periods detected in the specific RTP stream in the measurement run. An inter-loss period
for MPM)		length refers to the count of received packets in the time period between two consecutive loss periods. An inter-loss period
·	Avg_Inter-Loss_Period_Length	is the time interval that no RTP packets are dropped.
	Max_Inter-Loss_Period_Length	The biggest length of inter-loss periods detected in the specific RTP stream in the measurement run.
	Max_mer 2000_r oned_congui	Displays the MDI:DF value of the RTP stream the sample interval. MDI, which stands for Media Delivery Index, describes
		the IP cumulative jitter and packet loss rate that indicate IP transport issues separated from MPEG2 TS issues. The MDI is
		independent of the video encoding scheme and serves as a lightweight, scalable alternative to measurements that decode
		and examine the video itself. Delay Factor is the indicator of jitter and delay issues of the MPEG2-TS stream. It is the
		maximum difference, observed at the end of each media stream packet, between the arrival of media data and the drain of
		media data. The DF value increases as the jitter of the MPEG2-TS stream gets greater. Only the MDI of constant bit rate
	MDI:DF (ms)	stream will be calculated.
	Min_MDI:DF (ms)	Displays the smallest MDI:DF value in the measurement run.
	Avg_MDI:DF (ms)	Displays the average MDI:DF value in the measurement run.
	Max_MDI:DF (ms)	Displays the biggest MDI:DF value in the measurement run.
	Wax_WDI.DF (IIIs)	
		Displays the MDI:LR value of RTP stream in the sample interval.
		Loss Rate is the count of lost or out-of-order flow packets over a selected time interval, where the flow packets are packets
		carrying streaming application information. The LR value increases as the MPEG2-TS stream loses packets. Any
<u> </u>	MDI I D ( )	occurrence of LR is undesirable since packet loss will reduce the QoE significantly. Only the MDI of constant bit rate stream
	MDI:LR (pps)	will be calculated.
	Min_MDI:LR (pps)	Displays the average MDI:LR value in the measurement run.
	Avg_MDI:LR (pps)	Displays the smallest MDI:LR value in the measurement run.
	Max_MDI:LR (pps)	Displays the biggest MDI:LR value in the measurement run.

		The number of packets that occur irregularly when the sequence numbers of the packets increase burstily instead of
		monotonically.
		The smallest number of out-of sequence packets for the specific RTP stream in the measurement run.
		The average number of out-of sequence packets for the specific RTP stream in the measurement run.
		The biggest number of out-of sequence packets for the specific RTP stream in the measurement run.
		Displays the value of R-factor, the metrics in VoIP which use a formula to take into account both user perceptions and the
		cumulative effect of equipment impairments to arrive at a numeric expression of voice quality. The value range from 50
	R-Factor	(bad) to 90 (excellent).
		Displays the smallest R-factor value in the measurement run.
		Displays the average R-factor value in the measurement run.
		Displays the biggest R-factor value in the measurement run.
		Displays the MOS score for the specific VoIP stream. The values ranges from 0 to 5, with 5 that represents the best user
		experience quality.
		Displays the lowest MOS score for the specific VoIP stream in the measurement run.
		Displays the average MOS score for the specific VoIP stream in the measurement run.
		Displays the highest MOS score for the specific VoIP stream in the measurement run.
		Displays the throughput of the specific RTP stream in the sample interval.
		Displays the smallest throughput of the specific RTP stream in the measurement run.
		Displays the average throughput of the specific RTP stream in the measurement run.
	Max_Throughput (bps)	Displays the biggest throughput of the specific RTP stream in the measurement run.
RTP_Multimedia/		Displays the percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic associated
RTP VoIP	Bandwidth (%)	with this stream ID.
(blue indicates		Displays the smallest percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
		associated with this stream ID in the measurement run.
for MPM)		Displays the average percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
	Avg_Bandwidth (%)	associated with this stream ID in the measurement run.
		Displays the biggest percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
		associated with this stream ID in the measurement run.
		Displays the counts of delay of RTCP packets associated with this stream ID. RTCP is used to synchronize the two media
		streams prior to carrying out the decoding the decoding operation.
		Displays the smallest counts of delay of RTCP packets associated with this stream ID in the measurement run.
		Displays the average counts of delay of RTCP packets associated with this stream ID in the measurement run.
		Displays the biggest counts of delay of RTCP packets associated with this stream ID in the measurement run.
		The throughput of the specific RTP stream in the sample interval.
		The number of RTP packets dropped from the specific RTP stream in the sample interval.
		The ratio of lost packets to all the packets in the specific RTP stream in the sample interval.
		The number of loss periods detected in the specific RTP stream. A loss period is the time interval when packet loss occurs
	RTP_Loss_Periods	consecutively.
		The average length of loss period in the sample interval. The loss period length refers to the counts of lost RTP packets in a
		loss period.
		The average length of inter loss period in the sample interval. The inter loss period length refers to the counts of RTP
		packets received in a time interval between two consecutive loss periods.
		The number of packets that occur irregularly when the sequence numbers of the packets increase burstily instead of
		monotonically The variation in the timing of received packet timestamps in the sample interval
	KTP_JII(ef	The variation in the timing of received packet timestamps in the sample interval

[		
		The counts of delay of RTCP packets associated with this stream ID. RTCP is used to synchronize the two media streams
	RTCP_Delay	prior to carrying out the decoding the decoding operation.
		Displays the MDI:LR value of the RTP stream in the sample interval. Loss Rate is the count of lost or out-of-order flow
		packets over a selected time interval, where the flow packets are packets carrying streaming application information. Only
	RTP_MDI_LR	the MDI of constant bit rate stream will be computed.
RTP_Multimedia/		The MDI:DF value of the RTP stream in the sample interval. MDI, which stands for Media Delivery Index, describes the IP
RTP VoIP		cumulative jitter and packet loss rate that indicate IP transport issues separated from RTP issues. Only the MDI of constant
(blue indicates	RTP_MDI_DF	bit rate stream will computed.
metrics specific		The variability of the bit rate, calculated as a result of (Max Bit Rate - Min Bit Rate)/ Max Bit Rate. This value is used to
for MPM)	RTP_BitRate_Variability	determine Constant Bit Rate (CBR).
•	RTP_Received_Packets	The number of RTP packets received from the specific RTP stream.
	RTP_Packets	The number of RTP packets in the specific RTP stream.
	RTP_Bytes	The number of bytes in the specific RTP stream.
		Displays the percentage of the capacity of the physical link used by the RTP traffic associated with the particular RTP stream
	RTP Percent Bandwidth	to the overall capacity of the traffic that TPA is monitoring.
	Ethernet Packets	Number of packets detected on the Ethernet layer.
	Ethernet_Bytes	Number of bytes detected on the Ethernet layer.
	Ethernet_Throughput	Displays the throughput of the Ethernet to the entire network utilization.
		Soprayo and an engineer of the Edition of the original national distribution.
	Ethernet_Percent_Bandwidth	Displays the percentage of the capacity of the physical link the TPA is monitoring that is used by the Ethernet traffic.
	Percent_Audio	Displays the percentage of traffic used by audio streams to the entire traffic.
	Percent_Video	Displays the percentage of traffic used by video streams to the entire traffic.
	Percent Data	Displays the percentage of traffic used by video streams to the entire traffic.
	IP Packets	Displays the number of Internet Protocol (IP) Packets on the network.
	IP Broadcasts	Displays the number of Internet Protocol (IP) Process on the network.  Displays the number of Internet Protocol (IP) Broadcast Addresses transmitted on the network.
	IP Multicasts	Displays the number of Internet Protocol (IP) Multicast Addresses transmitted on the network.
	IP_Fragments	Displays the number of Internet Protocol (IP) Fragments on the network.
	IP_Throughput	Displays the throughput of the Internet Protocol (IP) to the entire network utilization.
	Ethernet	Displays the throughput of the internet Protocol (iP) to the entire network utilization.
		Displayed the Above should of the Ethanist of the aution action of the aution actions.
	Throughput (bps)	Displays the throughput of the Ethernet of the entire network utilization.
	<b>5</b> . <b>5</b>	Displays the percentage of the capacity of the physical link used by the Ethernet traffic to the overall traffic that TPA is
	Percent Bandwidth	monitoring.
	TCP/IP	
	IP_Throughput	Displays the throughput of the Internet Protocol (IP) traffic on the network.
	IP_Percent Bandwidth	Displays the capacity of the physical link the TPA is monitoring that is used by the Internet Protocol (IP) traffic.
Network Vitals	IP_Packet Size	A count of bytes in the Internet Protocol (IP) Packets on the network
(blue indicates	IP_Packets	A count of Internet Protocol (IP) Packets on the network
motrics specific	IP_Broadcasts	Displays the number of Internet Protocol (IP) Broadcast Addresses transmitted on the network.
for MDM)	IP_Multicasts	Displays the number of Internet Protocol (IP) Multicast Addresses transmitted on the network.
TOT INIPINI)	IP_Fragments	Displays the number of Internet Protocol (IP) Fragments on the network.
	15.1	Di la dia dia dia dia dia dia dia dia dia di
	IP_Low_ TTL	Displays the minimum window size allowed in bytes. This value and lower values can cause a TCP Low Window event.
	ID D. C. D. I.	Displays the number of Internet Protocol (IP) Routing Packets on the network. These routing packets include RIP (udp 520),
	IP_Routing Packets	GGP (ip type 3), IGRP (ip type 9), and OSPF (ip type 89).
,	ICMP_Redirects	Displays the number of Internet Control Message Protocol (ICMP) Redirect messages on the network.
	ICMP_Dest_Unreachable	Displays the number of Internet Control Message Protocol (ICMP) Destination Unreachable messages on the network.

	ICMPv6 Dest Unreachable	Displays the number of Internet Control Message Protocol (ICMP) v6 Destination Unreachable messages on the network.
	TCP_Low_Window_Packets	Displays the number of Transport Control Protocol (TCP) Low Window packets on the network.
	TCP_Reset_Connection_	
	Packets	Displays the number of Transport Control Protocol (TCP) Reset Connection Packets on the network.
	SNMP_Get/Se_Packets	Displays the number of Simple Network Management Protocol (SNMP) Get or Set Packets on the network.
	SNMP_Trap_Packets	Displays the number of Simple Network Management Protocol (SNMP) Trap packets on the network.
	DNS_Packets	Displays the number of Domain Name Service (DNS) Packets on the network.
	ARP_Packets	Displays the number of Address Resolution Protocol (ARP) Packets on the network.
Network Vitals	Ethernet_Throughput	The throughput of the Ethernet of the entire network utilization.
(blue indicates	Ethernet_Percent_	The anoughput of the Date of the common date of the
netrics specific	Bandwidth	The percentage of the capacity of the physical link used by the Ethernet traffic to the overall traffic that TPA is monitoring.
for MPM)	Ethernet_Packets	The number of packets detected on the Ethernet layer.
,	Ethernet_Bytes	The number of bytes detected on the Ethernet layer.
	IP_Throughput	The throughput of the Internet Protocol (IP) traffic on the network.
	IP_Packets	The number of Internet Protocol (IP) Packets on the network.
	Percent_Video	The percentage of traffic used by video streams to the entire traffic.
	Percent_Audio	The percentage of traffic used by audio streams to the entire traffic.
	Percent_Data	The percentage of traffic used by data streams to the entire traffic.
	IP Broadcasts	The number of Internet Protocol (IP) Broadcast Addresses transmitted on the network.
	IP_Multicasts	The number of Internet Protocol (IP) Multicast Addresses transmitted on the network.
	IP_Fragments	The number of Internet Protocol (IP) Fragments on the network.
	Summary Grid	
	RTP_Throughput	Displays the throughput of the specific RTP stream in the sample interval.
	RTP_Min_Throughput	Displays the smallest throughput of the specific RTP stream in the measurement run.
	RTP_Avg_Throughput	Displays the average throughput of the specific RTP stream in the measurement run.
	RTP_Max_Throughput	Displays the biggest throughput of the specific RTP stream in the measurement run.
	RTP_Packet_Count	The number of RTP packets associated with the specific RTP stream in the sample interval.
	RTP_Total_Packet_Count	The total number of RTP packets associated with the specific RTP stream in the measurement run.
	RTP_Byte_Count	The number of bytes associated with the specific RTP stream in the sample interval.
	RTP_Total_Byte_Count	The total number of bytes associated with the specific RTP stream in the measurement run.
	MPEG2-TS_Throughput	Displays the throughput of the specific MPEG2-TS stream in the sample interval.
	MPEG2-TS_Min_Throughput	The smallest throughput detected from the sample intervals in the measurement run.
100 (	MPEG2-TS_Avg_Throughput	The average of all the throughput values detected from the sample intervals in the measurement run.
ICC (only for	MPEG2-TS_Max_Throughput	The largest throughput of all the throughput values detected from the sample intervals in the measurement run.
MSTV	MPEG2-TS_Packet_Count	Displays the number of packets seen for this particular stream.
Mediaroom)		
	MPEG2-TS_Total_Packet_Count	Displays the total number of packets seen for this particular stream in the measurement run.
	MPEG2-TS_Byte_Count	Displays the number of bytes seen for this particular stream.
	MPEG2-TS_Total_Byte_Count	Displays the total number of bytes seen for this particular stream in the measurement run.
	RTP Statistics Grid	
		The variability of the bit rate, calculated as a result of (Max Bit Rate - Min Bit Rate)/ Max Bit Rate.
	Bit_Rate_Variability (%)	This value is used to determine CBR.
	Packet_Count	The number of RTP packets associated with the specific RTP stream in the sample interval.
	Total_Packet_Count	The total number of RTP packets associated with the specific RTP stream in the measurement run.
	Byte_Count	The number of bytes associated with the specific RTP stream in the sample interval.
	Total_Byte_Count	The total number of bytes associated with the specific RTP stream in the measurement run.
	Received Packets	The number of RTP packets received from the specific RTP stream.

	Total_Received_Packets	The total number of RTP packets received from the specific RTP stream in the measurement run.
	Lost_Packets	The number of RTP packets dropped from the specific RTP stream.
	Total_Lost_Packets	The total number of RTP packets dropped from the specific RTP stream in the measurement run.
	Lost_Packets (%)	Displays the ratio of lost packets to all the packets in the specific RTP stream in the sample interval.
	Min_Lost_Packets (%)	Displays the smallest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Avg_Lost_Packets (%)	Displays the average ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Max_Lost_Packets (%)	Displays the biggest ratio of lost packets to all the packets in the specific RTP stream in the measurement run.
	Jitter (ms)	Displays the variation in the timing of received packet timestamps in the sample interval.
	Min_Jitter (ms)	Displays the smallest variation in the timing of received packet timestamps detected from the RTP stream.
	Avg_Jitter (ms)	Displays the average variation in the timing of received packet timestamps detected from the RTP stream.
	Max_Jitter (ms)	Displays the largest variation in the timing of received packet timestamps detected from the RTP stream.
		The number of loss periods detected in the specific RTP stream. A loss period is the time period when packet loss occurs.
	Loss_Periods	During a loss period, one or more than one lost packets are detected.
	Min_Loss_Periods	The smallest number of loss periods detected in the specific RTP stream in the measurement run.
	Avg_Loss_Periods	The average number of loss periods detected in the specific RTP stream in the measurement run.
	Max_Loss_Periods	The biggest number of loss periods detected in the specific RTP stream in the measurement run.
	Min_Loss_Period_Length	The smallest length of loss periods detected in the specific RTP stream in the measurement run.
		The average length of loss periods detected in the specific RTP stream in the measurement run. Loss period length refers to
	Avg_Loss_Period_Length	the count of lost RTP packets in the single loss period.
ICC (only for	Max_Loss_Period_Length	The biggest length of loss periods detected in the specific RTP stream in the measurement run.
MSTV	Min_Inter-Loss_Period_Length	The smallest length of inter-loss periods detected in the specific RTP stream in the measurement run.
Mediaroom)		The average length of inter-loss periods detected in the specific RTP stream in the measurement run. An inter-loss period
wediai oonii)		length refers to the count of received packets in the time period between two consecutive loss periods. An inter-loss period
	Avg_Inter-Loss_Period_Length	is the time interval that no RTP packets are dropped.
	Max_Inter-Loss_Period_Length	The biggest length of inter-loss periods detected in the specific RTP stream in the measurement run.
		The number of packets that occur irregularly when the sequence numbers of the packets increase burstily instead of
	Out-of-Sequence_Packets	monotonically.
	Min_Out-of-Sequence_Packets	The smallest number of out-of sequence packets for the specific RTP stream in the measurement run.
	Avg_Out-of-Sequence_Packets	The average number of out-of sequence packets for the specific RTP stream in the measurement run.
	Max_Out-of-Sequence_Packets	The biggest number of out-of sequence packets for the specific RTP stream in the measurement run.
	Throughput (bps)	Displays the throughput of the specific RTP stream in the sample interval.
	Min_Throughput (bps)	Displays the smallest throughput of the specific RTP stream in the measurement run.
	Avg_Throughput (bps)	Displays the average throughput of the specific RTP stream in the measurement run.
	Max_Throughput (bps)	Displays the biggest throughput of the specific RTP stream in the measurement run.
		Displays the percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic associated
	Bandwidth (%)	with this stream ID.
		Displays the smallest percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
	Min_Bandwidth (%)	associated with this stream ID in the measurement run.
		Displays the average percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
	Avg_Bandwidth (%)	associated with this stream ID in the measurement run.
		Displays the biggest percentage of the capacity of the physical link the TPA is monitoring that is used by the RTP traffic
	Max_Bandwidth (%)	

RTCP_Delay (ms)  Streams prior to carrying out the decoding the decoding operation.  Min_RTCP_Delay (ms)  Displays the smallest counts of delay of RTCP packets associated with this stream ID in the measurement run.  Avg_RTCP_Delay (ms)  Displays the average counts of delay of RTCP packets associated with this stream ID in the measurement run.  Max_RTCP_Delay (ms)  Displays the biggest counts of delay of RTCP packets associated with this stream ID in the measurement run.  MPEG2-TS PID Statistics  Throughput  Displays the throughput of the specific MPEG2-TS stream in the sample interval.  Min_Throughput  Displays the smallest throughput of the specific MPEG2-TS stream in the measurement run.  Avg_Throughput  Displays the average throughput of the specific MPEG2-TS stream in the measurement run.  Max_Throughput  Displays the largest MDI:LR value of all the MDI:LR values detected from the sample intervals in the measurement run.  Displays the number of CC errors detected from the traffic associated with the particular program ID in the sample interval.  CC (Continuity Counter) errors are defined as the condition when the number in the CC field of a transport stream packet (per PID) does not track in sequence in relation to previously received packets.  Displays the total number of CC errors detected from the traffic associated with the particular program ID in the measurement run.
Avg_RTCP_Delay (ms)  Displays the average counts of delay of RTCP packets associated with this stream ID in the measurement run.  Max_RTCP_Delay (ms)  Displays the biggest counts of delay of RTCP packets associated with this stream ID in the measurement run.  MPEG2-TS PID Statistics  Throughput  Displays the throughput of the specific MPEG2-TS stream in the sample interval.  Min_Throughput  Displays the smallest throughput of the specific MPEG2-TS stream in the measurement run.  Avg_Throughput  Displays the average throughput of the specific MPEG2-TS stream in the measurement run.  Max_Throughput  Displays the largest MDI:LR value of all the MDI:LR values detected from the sample intervals in the measurement run.  Displays the number of CC errors detected from the traffic associated with the particular program ID in the sample interval.  CC (Continuity Counter) errors are defined as the condition when the number in the CC field of a transport stream packet (per PID) does not track in sequence in relation to previously received packets.  Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
Avg_RTCP_Delay (ms)  Displays the average counts of delay of RTCP packets associated with this stream ID in the measurement run.  Max_RTCP_Delay (ms)  Displays the biggest counts of delay of RTCP packets associated with this stream ID in the measurement run.  MPEG2-TS PID Statistics  Throughput  Displays the throughput of the specific MPEG2-TS stream in the sample interval.  Min_Throughput  Displays the smallest throughput of the specific MPEG2-TS stream in the measurement run.  Avg_Throughput  Displays the average throughput of the specific MPEG2-TS stream in the measurement run.  Max_Throughput  Displays the largest MDI:LR value of all the MDI:LR values detected from the sample intervals in the measurement run.  Displays the number of CC errors detected from the traffic associated with the particular program ID in the sample interval.  CC (Continuity Counter) errors are defined as the condition when the number in the CC field of a transport stream packet (per PID) does not track in sequence in relation to previously received packets.  Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
Max_RTCP_Delay (ms)  Displays the biggest counts of delay of RTCP packets associated with this stream ID in the measurement run.  MPEG2-TS PID Statistics  Throughput  Displays the throughput of the specific MPEG2-TS stream in the sample interval.  Min_Throughput  Displays the smallest throughput of the specific MPEG2-TS stream in the measurement run.  Avg_Throughput  Displays the average throughput of the specific MPEG2-TS stream in the measurement run.  Max_Throughput  Displays the largest MDI:LR value of all the MDI:LR values detected from the sample intervals in the measurement run.  Displays the number of CC errors detected from the traffic associated with the particular program ID in the sample interval.  CC (Continuity Counter) errors are defined as the condition when the number in the CC field of a transport stream packet (per PID) does not track in sequence in relation to previously received packets.  Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
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Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
Displays the total number of CC errors detected from the traffic associated with the particular program ID in the
Total CC Errors measurement run.
Received_Packets Displays the number of packets associated with the particular program ID in the sample interval.
Total_Received_Packets Displays the total number of packets associated with the particular program ID in the measurement run.
Displays the number of packets lost associated with this program ID in the sample interval. This number is determined by
Lost_Packets detecting missing protocol sequence numbers or by inference from CC errors.
Total_Lost_Packets
Duplicate_Packets Displays the number of duplicated packets associated with the particular stream ID.
ICC (only for Total_Duplicate_Packets Displays the total number of duplicated packets associated with this program ID in the measurement run.
MSTV Displays the percentage of the total expected packets that are lost/missing associated with the particular program ID in the
Mediaroom)         Percent_Lost_Packets         sample interval.
Displays the smallest percentage of the total expected packets that are lost/missing associated with the particular program
Min_Percent_Lost_Packets ID in the measurement run.
Displays the average percentage of the total expected packets that are lost/missing associated with the particular program
Avg_Percent_Lost_Packets ID in the measurement run.  Displays the largest percentage of the total expected packets that are lost/missing associated with the particular program ID
Max_Percent_Lost_Packets in the measurement run.
Max_1 eldent_Lost_1 ackets in the measurement run.
Displays the number of times when two consecutive packets in a PID stream occurs with an interval longer than the
PID_Dropout_Errors threshold value. Generally the threshold is 500ms for video, 1000ms for audio, and 5000ms for other type of PID stream.
Displays the total number of times when two consecutive packets in a PID stream occurs with an interval longer than the
Total_PID_Dropout_Errors threshold value in the measurement run.
Packet_Count Displays the number of packets seen for this particular stream.
Total_Packet_Count Displays the total number of packets seen for this particular stream in the measurement run.
Byte_Count Displays the number of bytes seen for this particular stream.
Total_Byte_Count Displays the total number of bytes seen for this particular stream in the measurement run.
Displays the percentage of the capacity of the physical link used by the traffic associated with the particular stream to the
Bandwidth (%) overall capacity of the traffic that TPA is monitoring.
Displays the smallest percentage of the capacity of the physical link used by the traffic associated with the particular stream
Min_Bandwidth (%) to the overall capacity of the traffic that TPA is monitoring in the measurement run.
Displays the average percentage of the capacity of the physical link used by the traffic associated with the particular stream
Avg_Bandwidth (%) to the overall capacity of the traffic that TPA is monitoring in the measurement run.
Displays the largest percentage of the capacity of the physical link used by the traffic associated with the particular stream to
Max_Bandwidth (%)

	Currently Viewed	Chause whether the celested elient/viewer is coverently viewing the date strong (IDTV IOMD)
	Currently_Viewed	Shows whether the selected client/viewer is currently viewing the data stream. (IPTV, IGMP)
	Zap/Response (ms)	Displays the time between an IGMP Join message and the first PAT of the stream. Zap / Response Time is a measure of how fast the channel changes when the desired video user/viewer makes the channel change request. (IPTV, IGMP) Shows the sample, average, minimum, and maximum Zap/Response time for the selected VoD stream. (VoD) When displayed for ICC streams, this displays the time between a non-MSTV IGMP Join message and the first ICC burst. (ICC)
	Avg_Zap/Response (ms)	Displays the average time between an IGMP Join message and the first PAT of the stream in the measurement run.
	Min_Zap/Response (ms)	Displays the smallest time between an IGMP Join message and the first PAT of the stream in the measurement run.
	Max_Zap/Response (ms)	Displays the biggest time between an IGMP Join message and the first PAT of the stream in the measurement run.
	ICC/RUDP_Response (µs)	The time (measured in micro-seconds) between the first MSTV non-robust retransmit join message and the first ICC burst. (ICC) Time (measured in micro-seconds) between the first non-robust retransmit Retry Request to the first RUDP Fulfillment Unicast packet. (RUDP)
	Avg_ICC/RUDP_Response (µs)	The average value of this parameter in the measurement run.
	Min_ICC/RUDP_Response (μs)	The smallest value of this parameter in the measurement run.
	Max_ICC/RUDP_Response (µs)	The biggest value of this parameter in the measurement run.
		Displays the number of IGMP join requests detected. (IPTV, IGMP)
C&C (only for	Joins	Number of ICC Joins Requests (including robust retransmits). (ICC)
MSTV Mediaroom)	Total_Joins	The aggregated value of this parameter in the measurement run.
	Avg_Joins	The average value of this parameter in the measurement run.
	Min_Joins	The smallest value of this parameter in the measurement run.
	Max_Joins	The biggest value of this parameter in the measurement run.
	Successful_Joins	Displays the number of successful joins detected. (IPTV, IGMP)
	Total_Successful_Joins	The aggregated value of this parameter in the measurement run.
	Avg_Successful_Joins	The average value of this parameter in the measurement run.
	Min_Successful_Joins	The smallest value of this parameter in the measurement run.
	Max_Successful_Joins	The biggest value of this parameter in the measurement run.
	Leaves	Displays the number of IGMP leave requests detected. (IPTV, IGMP)
	Total_Leaves	The aggregated value of this parameter in the measurement run.
	Avg_Leaves	The average value of this parameter in the measurement run.
	Min_Leaves	The smallest value of this parameter in the measurement run.
	Max_Leaves	The biggest value of this parameter in the measurement run.
	ICC_Join_Requests	Number of ICC Joins Requests (including robust retransmits). (ICC)
	Total_ICC_Join_Requests	The aggregated value of this parameter in the measurement run.
	Avg_ICC_Join_Requests	The average value of this parameter in the measurement run.
	Min_ICC_Join_Requests	The smallest value of this parameter in the measurement run.
	Max_ICC_Join_Requests	The biggest value of this parameter in the measurement run.
	ICC_Successful_Joins	Number of successful ICC Joins. Robust retransmits are not counted in these statistics. (ICC)
	Total_ICC_Successful_Joins	The aggregated value of this parameter in the measurement run.
	Avg_ICC_Successful_Joins	The average value of this parameter in the measurement run.
	Min_ICC_Successful_Joins	The smallest value of this parameter in the measurement run.

	Max_ICC_Successful_Joins	The biggest value of this parameter in the measurement run.
	ICC_Join_Responses	Number of ICC Join Responses (including robust retransmits). (ICC)
	Total_ICC_Join_Responses	The aggregated value of this parameter in the measurement run.
	Avg_ ICC_Join_Responses	The average value of this parameter in the measurement run.
	Min_ICC_Join_Responses	The smallest value of this parameter in the measurement run.
	Max_ICC_Join_Responses	The biggest value of this parameter in the measurement run.
		Number of ICC Burst Complete messages (including robust retransmits). A burst complete message is sent to the client by
	ICC_Burst_Completes	the D-server when the D-server has finished sending the buffered traffic via an ICC burst. (ICC)
	Total_ICC_Burst_Completes	The aggregated value of this parameter in the measurement run.
	Avg_ICC_Burst_Completes	The average value of this parameter in the measurement run.
	Min_ICC_Burst_Completes	The smallest value of this parameter in the measurement run.
	Max_ICC_Burst_Completes	The biggest value of this parameter in the measurement run.
		Number of ICC Burst Complete Acknowledgement messages (including robust retransmits). Burst complete
		acknowledgement messages are sent from the client to the D-server and correspond with the end of the unicast
	ICC_Burst_Complete_Acks	transmission. (ICC)
	Total_ICC_Burst_Complete_Acks	The aggregated value of this parameter in the measurement run.
	Avg_ICC_Burst_Complete_	
	Acks	The average value of this parameter in the measurement run.
	Min_ICC_Burst_Complete_	
	Acks	The smallest value of this parameter in the measurement run.
C&C (only for	Max_ICC_Burst_Complete_Acks	The biggest value of this parameter in the measurement run.
MSTV	ICC_Leaves	Number of ICC leaves (including robust retransmits). (ICC)
Mediaroom)	Total_ICC_Leaves	The aggregated value of this parameter in the measurement run.
,	Avg_ ICC_Leaves	The average value of this parameter in the measurement run.
	Min_ ICC_Leaves	The smallest value of this parameter in the measurement run.
	Max_ ICC_Leaves	The biggest value of this parameter in the measurement run.
		Number of Status Heartbeat packets received (including robust retransmits). Status heart beat messages are sent from the
	C&C_Status_Heartbeats	client to the D-server every 5 seconds. (C&C)
	Total_C&C_Status_Heartbeats	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Status_	
	Heartbeats	The average value of this parameter in the measurement run.
	Min_C&C_Status_	
	Heartbeats	The smallest value of this parameter in the measurement run.
	Max_C&C_Status_	
	Heartbeats	The biggest value of this parameter in the measurement run.
		Number of Status Acknowledgement packets received (including robust retransmits). Status acknowledgement messages
	C&C_Status_Acks	are sent from the D-server to the client within 1 second of the status heartbeat message. (C&C)
	Total_C&C_Status_Acks	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Status_Acks	The average value of this parameter in the measurement run.
	Min_C&C_Status_Acks	The smallest value of this parameter in the measurement run.
	Max_C&C_Status_Acks	The biggest value of this parameter in the measurement run.
	wax_CaC_Status_Acks	Time (measured in milliseconds) between consecutive Status Heartbeat packets. Robust retransmit packets are not used in
	C&C_Heartbeat_Interval (ms)	this calculation. (C&C)
	Avg_C&C_Heartbeat_Interval (ms)	tino calculation. (CaC)
		The average value of this parameter in the macourement run
	nterval (ms)	The average value of this parameter in the measurement run.

	N. 000 H. d. d.	
	Min_C&C_Heartbeat_	
	Interval (ms)	The smallest value of this parameter in the measurement run.
	Max_C&C_Heartbeat_	
	Interval (ms)	The biggest value of this parameter in the measurement run.
		Time (measured in micro-seconds) between a Status Heartbeat packet and its corresponding Status Acknowledgement
	C&C_Heartbeat_Response (ms)	packet. Robust retransmit packets are not used in this calculation.
	Avg_C&C_Heartbeat_	
	Response (ms)	The average value of this parameter in the measurement run.
	Min_C&C_Heartbeat_	
	Response (ms)	The smallest value of this parameter in the measurement run.
	Max_C&C_Heartbeat_	
	Response (ms)	The biggest value of this parameter in the measurement run.
	C&C_Heartbeat_Interval_	Number of Heartbeat Intervals exceeding the limit of 11 seconds. Typically, the D-server will timeout when a heartbeat
	Exceeds (ms)	interval exceeds 11 seconds.
	Total_C&C_Heartbeat_	
	Interval_Exceeds (ms)	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Heartbeat_	
	Interval_Exceeds (ms)	The average value of this parameter in the measurement run.
	Min_C&C_Heartbeat_	
	Interval_Exceeds (ms)	The smallest value of this parameter in the measurement run.
	Max_C&C_Heartbeat_	
C&C (only for	Interval_Exceeds (ms)	The biggest value of this parameter in the measurement run.
MSTV	C&C_Heartbeat_Response_	Number of Heartbeat Responses exceeding the limit of 1 second. Typically, the client will failover if it does not receive a
Mediaroom)	Exceeds (ms)	status heartbeat acknowledgement. (C&C)
	Total_C&C_Heartbeat_	
	Response_Exceeds (ms)	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Heartbeat_	
	Response_Exceeds (ms)	The average value of this parameter in the measurement run.
	Min_C&C_Heartbeat_	
	Response_Exceeds (ms)	The smallest value of this parameter in the measurement run.
	Max_C&C_Heartbeat_	
	Response_Exceeds (ms)	The biggest value of this parameter in the measurement run.
	C&C_Service-not-buffered-	
	yet_Errors	Number of Service-not-buffered-yet error packets received (including robust retransmits). (C&C)
	Total_C&C_Service-not-buffered-	
	yet_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Service-not-buffered-	
	yet_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Service-not-buffered-	
	yet_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Service-not-buffered-	
	yet_Errors	The biggest value of this parameter in the measurement run.
	C&C_Invalid-retry-request_Errors	Number of Invalid-retry-request error packets received (including robust retransmits). (C&C)
	Total_C&C_Invalid-retry-	
	request_Errors	The aggregated value of this parameter in the measurement run.

	Ava C&C Invalid rate	
	Avg_C&C_Invalid-retry-	- Control of the cont
	request_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Invalid-retry-	
	request_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Invalid-retry-	
	request_Errors	The biggest value of this parameter in the measurement run.
	C&C_No-such-service_Errors	Number of No-such-service error packets received (including robust retransmits). (C&C)
	Total_C&C_No-such-	
	service_Errors	The aggregated value of this parameter in the measurement run.
	Ava C&C No-such-service Errors	The average value of this parameter in the measurement run.
	<u></u>	
	Min C&C No-such-service Errors	The smallest value of this parameter in the measurement run.
		The strained value of the parameter in the measurement rain.
	May C&C No-such-sorvice Errors	The biggest value of this parameter in the measurement run.
	C&C_No-such-session_Errors	Number of No-such-session error packets received (including robust retransmits). (C&C)
	Total_C&C_No-such-	Inditiber of No-such-session error packets received (including robust retransmits). (Cac)
	session_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_No-such-session_Errors	The average value of this parameter in the measurement run.
		The smallest value of this parameter in the measurement run.
C&C (only for	Max_C&C_No-such-	
MSTV	session_Errors	The biggest value of this parameter in the measurement run.
Mediaroom)	C&C_Session-error_Errors	Number of Session-error error packets received (including robust retransmits). (C&C)
,		
	Total_C&C_Session-error_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Session-error_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Session-error_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Session-error_Errors	The biggest value of this parameter in the measurement run.
	Max_6a6_666600000000000000000000000000000	The biggest value of the parameter in the measurement run.
	C&C Unsupported version Errors	Number of Unsupported-version error packets received (including robust retransmits). (C&C)
	Total_C&C_Unsupported-	retained of offsupported-version effor packets received (including robust retrainsfills). (CaC)
	version_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Unsupported-	
	version_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Unsupported-	
	version_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Unsupported-	
	version_Errors	The biggest value of this parameter in the measurement run.
	C&C_Server-full_Errors	Number of Server-full error packets received (including robust retransmits). (C&C)
	Total_C&C_Server-full_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Server-full_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Server-full_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Server-full_Errors	The biggest value of this parameter in the measurement run.
	C&C_Duplicate-join_Errors	Number of Duplicate-join error packets received (including robust retransmits). (C&C)
		1

	Total_C&C_Duplicate-join_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Duplicate-join_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Duplicate-join_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Duplicate-join_Errors	The biggest value of this parameter in the measurement run.
	C&C_Duplicate-session-ID_Errors	Number of Duplicate-session-ID error packets received (including robust retransmits). (C&C)
	Total_C&C_Duplicate-session-	
	ID_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Duplicate-session-	
	ID_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Duplicate-session-	
	ID_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Duplicate-session-	
	ID_Errors	The biggest value of this parameter in the measurement run.
	C&C_Bad-bit-rate_Errors	Number of Bad-bit-rate error packets received (including robust retransmits). (C&C)
	Total_C&C_Bad-bit-rate_Errors	The aggregated value of this parameter in the measurement run.
	Avg_C&C_Bad-bit-rate_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Bad-bit-rate_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Bad-bit-rate_Errors	The biggest value of this parameter in the measurement run.
	C&C_Session-destroyed-by-	
	server_Errors	Number of Session-destroyed-by-server error packets received (including robust retransmits). (C&C)
C&C (only for	Total_C&C Session-destroyed-by-	
MSTV	server Errors	The aggregated value of this parameter in the measurement run.
Mediaroom)	Avg_C&C_Session-destroyed-by-	
	server_Errors	The average value of this parameter in the measurement run.
	Min_C&C_Session-destroyed-by-	
	server_Errors	The smallest value of this parameter in the measurement run.
	Max_C&C_Session-destroyed-by-	
	server_Errors	The biggest value of this parameter in the measurement run.
		Number of RUDP holes. A single RUDP hole is defined as one or more (consecutive) missing MPEG packets detected by
		the client. The TPA counts the number of RUDP holes by reading RUDP Retry Request messages. This message contains
		info about the Hole Size (number of missing packets) and the sequence number of the first missing packet. The TPA does
	RUDP_Holes	not count the robust retransmit retry requests. (RUDP)
	Total_RUDP_Holes	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Holes	The average value of this parameter in the measurement run.
	Min_RUDP_Holes	The smallest value of this parameter in the measurement run.
	Max_RUDP_Holes	The biggest value of this parameter in the measurement run.
		N. I. CRUPPE ISIN AND CISIN AND CONTROL OF THE CONT
		Number of RUDP Fulfillments. A hole fulfillment is defined when at least one RUPD unicast packet fulfilling a hole is
	DUDD Hala Fullfiller anta	received. For example, if there are two holes in a sample, and the first hole receives some (or all) of its missing packets (and
	RUDP_Hole_Fullfillments	the second hole receives none), the hole fulfillment count for that sample will be 1. (RUDP)
	Total_RUDP_Hole_	
	Fullfillments	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Hole_Fullfillments	The average value of this parameter in the measurement run.
	Min_RUDP_Hole_Fullfillments	The smallest value of this parameter in the measurement run.
	Max_RUDP_Hole_ Fullfillments	The higgest value of this parameter is the measurement run
	ruiiiiIIIIeiits	The biggest value of this parameter in the measurement run.

C&C (only for MSTV Mediaroom)	RUDP_Fullfilled_Holes	Number of RUDP holes that are completely fulfilled (all of the requested missing packets are recovered). (RUDP)
	Total_RUDP_Fullfilled_Holes	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Fullfilled_Holes	The average value of this parameter in the measurement run.
	Min_RUDP_Fullfilled_Holes	The smallest value of this parameter in the measurement run.
	Max_RUDP_Fullfilled_Holes	The biggest value of this parameter in the measurement run.
		Number of RUDP holes that are only partially fulfilled (only some, but not all, of the requested missing packets are
		recovered). Note: If a hole receives no fulfillments at all, it is not counted as Unfulfilled Holes, and the RUDP Hole
	RUDP_Unfullfilled_Holes	Fulfillments count is not incremented. (RUDP)
	Total_RUDP_Unfullfilled_	
	Holes	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Unfullfilled_	
	Holes	The average value of this parameter in the measurement run.
	Min_RUDP_Unfullfilled_	
	Holes	The smallest value of this parameter in the measurement run.
	Max_RUDP_Unfullfilled_	
	Holes	The biggest value of this parameter in the measurement run.
		For each hole, percent fulfillment is the percentage of the hole that is fulfilled. This is calculated by dividing the number of
	RUDP_Percent_Fullfillment	fulfilled (retried) packets by the total number of missing packets in a hole. (RUDP)
	Avg_RUDP_Percent_	
	Fullfillment	The average value of this parameter in the measurement run.
	Min_RUDP_Percent_	
	Fullfillment	The smallest value of this parameter in the measurement run.
	Max_RUDP_Percent_	
	Fullfillment	The biggest value of this parameter in the measurement run.
	RUDP_Retry_Requests	For each hole, this is the number of retry requests (including robust retransmits) sent to fulfill the hole. (RUDP)
	Avg_RUDP_Retry_Requests	The average value of this parameter in the measurement run.
	Min_RUDP_Retry_Requests	The smallest value of this parameter in the measurement run.
	Max_RUDP_Retry_Requests	The biggest value of this parameter in the measurement run.
	RUDP_Requested_Retry_	
	Packets	A measure of hole size as determined by information contained in RUDP retry request packets. (RUDP)
	Total_RUDP_Requested_	
	Retry_Packets	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Requested_	
	Retry_Packets	The average value of this parameter in the measurement run.
	Min_RUDP_Requested_	
	Retry_Packets	The smallest value of this parameter in the measurement run.
	Max_RUDP_Requested_	
	Retry_Packets	The biggest value of this parameter in the measurement run.
	RUDP_Actual_Retry_	The number of hole fulfillment packets sent and received from the RUDP unicast stream. If there are multiple holes in a
	Packets	sample, Actual Retry Packets is the sum of fulfillment packets received by all holes. (RUDP)
	Total_RUDP_Actual_Retry_	
	Packets	The aggregated value of this parameter in the measurement run.
	Avg_RUDP_Actual_Retry_	
	Packets	The average value of this parameter in the measurement run.
	Min_RUDP_Actual_Retry_	
	Packets	The smallest value of this parameter in the measurement run.
	Max_RUDP_Actual_Retry_	
	Packets	The biggest value of this parameter in the measurement run.