APPENDIX B

Statistics Summary

This appendix provides tables which list reporting parameters for the following statistics:

Table B-1 Connection Statistics, Preliminary List

Connection Statistics [1]	Description	Valid Applications
Voice		
Packets Received (04)	Counts the number of packets received from the Muxbus by the local port card.	CDP
Receive Packets Discarded (05)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	CDP
Packets Transmitted (06)	Counts the number of packets transmitted onto the Muxbus from the local port card.	CDP
Projected Packets Transmitted (07)	Projects the number of packets that would be transmitted onto the Muxbus if DSI were enabled.	CDP, internode voice
Supervisory Pkts Transmitted (08)	Counts the number of Supervisory Packets transmitted from the local port card to the Muxbus. Contains the voice signaling bit.	Internode "a", "c", and "v" voice, CIP and CDP terminated "p" and "t" voice, CIP and CDP terminated intranode, "v" voice
Seconds V.25 Modem On (13)	Counts the number of seconds a V.25 modem is detected and the connection is upgraded to PCM.	Internode "a", "c", and "v" voice connections
Seconds DSI Enabled (14)	Counts the number of seconds the connection is in DSI.	Internode "c" and "v" voice connections
Seconds Off-Hook (15)	Counts the number of seconds the connection is off hook.	All "a", "c", and "v" voice connections, and for CIP and CDP terminated "p" and "t" voice connections.
Seconds In-Service (16)	Counts the number of seconds the connection is in service (not in alarm, the required cards are present, and the connection is routed).	All connection types
Supervisory Pkts Received (19)	Counts the number of Supervisory Packets received from the Muxbus. Contains the voice signaling bit.	Internode "a", "c", and "v" voice, CIP and CDP terminated "p" and "t" voice, CIP and CDP terminated intranode, "v" voice
Data		
Packets Transmitted (06)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FRP, all data, and internode voice
Projected Packets Transmitted (07)	Projects the number of packets that would be transmitted onto the Muxbus if DFM were enabled.	CDP
Supervisory Pkts Transmitted (08)	Counts the number of Supervisory Packets transmitted from the local port card to the Muxbus. Contains the data channel EIA lead transitions.	All data connections
Seconds In Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and connection is routed).	All connection types
Supervisory Packets Received (19)	Counts the number of Supervisory Packets transmitted from the local port card to the Muxbus. Contains the data channel EIA lead transitions.	All data connections

Connection Statistics [1]	Description	Valid Applications
Frame Relay		
Frames Received (0)	Counts the number of frames received by the local frp port.	FRP
Receive Frames Discarded (1)	Counts the number of frames discarded by the local frp before the queue is transmitted onto the Muxbus.	FRP
Frames Transmitted (2)	Counts the number of frames transmitted out of the local frp port.	FRP
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local frp before the queue is transmitted out the port.	FRP
Packet Received (4)	Counts the number of packets received from the Muxbus by the local port card.	FRP
Receive Pkts Discarded (5)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	FRP
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FRP
Bytes Received (9)	Counts the number of frame bytes received by the local FRP port.	FRP
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local frp port.	FRP
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the frp port.	FRP
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the frp port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FRP
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	FRP
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FRP
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FRP
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FRP.	FRP
DE Frames Received (21)	Counts the number of frames received by the local FRP port with the discard eligibility bit set.	FRP (Model D), earlier report 0
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FRP port with the discard eligibility bit set.	FRP (Model D), earlier report 0
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FRP (Model D), earlier report 0
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FRP
Frames Received in Excess of CIR (25)	Counts the number of frames received in excess of the committed information rate.	FRP

Connection Statistics [1]	Description	Valid Applications
Bytes Received in Excess of CIR (26)	Counts the number of bytes received in excess of the committed information rate.	FRP
Frames Transmitted in Excess of CIR (27)	Counts the number of frames transmitted in excess of the committed information rate.	FRP
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	FRP
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	FRP
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	FRP
FR Connection Ingress Stats		
Rx Frames Discarded-Deroute/Down (31)	Counts the number of frames discarded due to administratively downed connections.	FRP
Rx Bytes Discarded-Deroute/Down (32)	Counts the number of bytes discarded due to administratively downed connections.	FRP
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FRP
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FRP
FR Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FRP
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FRP
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FRP
Tx Bytes Discarded Ingress CRC (38)	Counts the number of bytes discarded due to ingress CRC or length errors.	FRP
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FRP
Tx Bytes Discarded Trunk Discard(40)	Counts the number of bytes discarded due to trunk CRC or length errors.	FRP
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FRP
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FRP
FastPAD Voice		
Frames Received (0)	Counts the number of frames received by the local FastPAD port.	FastPAD
Receive Frames Discarded (1)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted onto the Muxbus.	FastPAD
Frames Transmitted (2)	Counts the number of frames transmitted out of the local FastPAD port.	FastPAD
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted out the port.	FastPAD

Connection Statistics [1]	Description	Valid Applications
Packet Received (4)	Counts the number of packets received from the Muxbus by the local port card.	FastPAD
Receive Pkts Discarded (5)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	FastPAD
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FastPAD
Bytes Received (9)	Counts the number of frame bytes received by the local FastPAD port.	FastPAD
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local FastPAD port.	FastPAD
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the FastPAD port.	FastPAD
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the FastPAD port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FastPAD
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	FastPAD
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FastPAD
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FastPAD
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FastPAD.	FastPAD
DE Frames Received (21)	Counts the number of frames received by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FastPAD
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FastPAD
Frames Received in Excess of CIR (25)	Counts the number of frames received in excess of the committed information rate.	FastPAD
Bytes Received in Excess of CIR (26)	Counts the number of bytes received in excess of the committed information rate.	FastPAD
Frames Transmitted in Excess of CIR (27)	Counts the number of frames transmitted in excess of the committed information rate.	FastPAD
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	FastPAD
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	FastPAD
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	FastPAD

Connection Statistics [1]	Description	Valid Applications
FastPAD Voice Connection Ingress Stats		
Rx Frames Discarded-Deroute/Down (31)	Counts the number of frames discarded due to administratively downed connections.	FastPAD
Rx Bytes Discarded-Deroute/Down (32)	Counts the number of bytes discarded due to administratively downed connections.	FastPAD
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FastPAD
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FastPAD
FastPAD Voice Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FastPAD
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FastPAD
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FastPAD
Tx Bytes Discarded Ingress CRC (38)	Counts the number of bytes discarded due to ingress CRC or length errors.	FastPAD
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FastPAD
Tx Bytes Discarded Trunk Discard(40)	Counts the number of bytes discarded due to trunk CRC or length errors.	FastPAD
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FastPAD
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FastPAD
FastPAD Switched Voice		
Frames Received (0)	Counts the number of frames received by the local FastPAD port.	FastPAD
Receive Frames Discarded (1)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted onto the Muxbus.	FastPAD
Frames Transmitted (2)	Counts the number of frames transmitted out of the local FastPAD port.	FastPAD
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted out the port.	FastPAD
Packet Received (4)	Counts the number of packets received from the Muxbus by the local port card.	FastPAD
Receive Pkts Discarded (5)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	FastPAD
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FastPAD
Bytes Received (9)	Counts the number of frame bytes received by the local FastPAD port.	FastPAD

Connection Statistics [1]	Description	Valid Applications
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local FastPAD port.	FastPAD
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the FastPAD port.	FastPAD
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the FastPAD port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FastPAD
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	FastPAD
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FastPAD
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FastPAD
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FastPAD.	FastPAD
DE Frames Received (21)	Counts the number of frames received by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FastPAD
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FastPAD
Frames Received in Excess of CIR (25)	Counts the number of frames received in excess of the committed information rate.	FastPAD
Bytes Received in Excess of CIR (26)	Counts the number of bytes received in excess of the committed information rate.	FastPAD
Frames Transmitted in Excess of CIR (27)	Counts the number of frames transmitted in excess of the committed information rate.	FastPAD
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	FastPAD
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	FastPAD
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	FastPAD
FastPAD Switched Voice Connection Ingress Stats		
Rx Frames Discarded-Deroute/Down (31)	Counts the number of frames discarded due to administratively downed connections.	FastPAD
Rx Bytes Discarded-Deroute/Down (32)	Counts the number of bytes discarded due to administratively downed connections.	FastPAD
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FastPAD
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FastPAD

Connection Statistics [1]	Description	Valid Applications
FastPAD Switched Voice Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FastPAD
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FastPAD
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FastPAD
Tx Bytes Discarded Ingress CRC (38)	Counts the number of bytes discarded due to ingress CRC or length errors.	FastPAD
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FastPAD
Tx Bytes Discarded Trunk Discard(40)	Counts the number of bytes discarded due to trunk CRC or length errors.	FastPAD
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FastPAD
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FastPAD
FastPAD Data		
Frames Received (0)	Counts the number of frames received by the local FastPAD port.	FastPAD
Receive Frames Discarded (1)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted onto the Muxbus.	FastPAD
Frames Transmitted (2)	Counts the number of frames transmitted out of the local FastPAD port.	FastPAD
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted out the port.	FastPAD
Packet Received (4)	Counts the number of packets received from the Muxbus by the local port card.	FastPAD
Receive Pkts Discarded (5)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	FastPAD
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FastPAD
Bytes Received (9)	Counts the number of frame bytes received by the local FastPAD port.	FastPAD
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local FastPAD port.	FastPAD
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the FastPAD port.	FastPAD
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the FastPAD port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FastPAD
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	FastPAD

Connection Statistics [1]	Description	Valid Applications
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FastPAD
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FastPAD
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FastPAD.	FastPAD
DE Frames Received (21)	Counts the number of frames received by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FastPAD
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FastPAD
Frames Received in Excess of CIR (25)	Counts the number of frames received in excess of the committed information rate.	FastPAD
Bytes Received in Excess of CIR (26)	Counts the number of bytes received in excess of the committed information rate.	FastPAD
Frames Transmitted in Excess of CIR (27)	Counts the number of frames transmitted in excess of the committed information rate.	FastPAD
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	FastPAD
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	FastPAD
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	FastPAD
FastPAD Data Connection Ingress Stats		
Rx Frames Discarded-Deroute/Down (31)	Counts the number of frames discarded due to administratively downed connections.	FastPAD
Rx Bytes Discarded-Deroute/Down (32)	Counts the number of bytes discarded due to administratively downed connections.	FastPAD
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FastPAD
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FastPAD
FastPAD Data Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FastPAD
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FastPAD
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FastPAD
Tx Bytes Discarded Ingress CRC (38)	Counts the number of bytes discarded due to ingress CRC or length errors.	FastPAD
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FastPAD

Connection Statistics [1]	Description	Valid Applications
Tx Bytes Discarded Trunk Discard(40)	Counts the number of bytes discarded due to trunk CRC or length errors.	FastPAD
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FastPAD
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FastPAD
FastPAD Frame Relay		
Frames Received (0)	Counts the number of frames received by the local FastPAD port.	FastPAD
Receive Frames Discarded (1)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted onto the Muxbus.	FastPAD
Frames Transmitted (2)	Counts the number of frames transmitted out of the local FastPAD port.	FastPAD
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local FastPAD before the queue is transmitted out the port.	FastPAD
Packet Received (4)	Counts the number of packets received from the Muxbus by the local port card.	FastPAD
Receive Pkts Discarded (5)	Counts the number of packets received from the Muxbus by the local port card and discarded before the queue is transmitted out the port.	FastPAD
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	FastPAD
Bytes Received (9)	Counts the number of frame bytes received by the local FastPAD port.	FastPAD
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local FastPAD port.	FastPAD
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the FastPAD port.	FastPAD
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the FastPAD port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FastPAD
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	FastPAD
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FastPAD
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FastPAD
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FastPAD.	FastPAD
DE Frames Received (21)	Counts the number of frames received by the local FastPAD port with the discard eligibility bit set.	FastPAD
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FastPAD port with the discard eligibility bit set.	FastPAD

Connection Statistics [1]	Description	Valid Applications
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FastPAD
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FastPAD
Frames Received in Excess of CIR (25)	Counts the number of frames received in excess of the committed information rate.	FastPAD
Bytes Received in Excess of CIR (26)	Counts the number of bytes received in excess of the committed information rate.	FastPAD
Frames Transmitted in Excess of CIR (27)	Counts the number of frames transmitted in excess of the committed information rate.	FastPAD
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	FastPAD
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	FastPAD
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	FastPAD
FastPAD Frame Relay Connection Ingress Stats		
Rx Frames Discarded-Deroute/Down (31)	Counts the number of frames discarded due to administratively downed connections.	FastPAD
Rx Bytes Discarded-Deroute/Down (32)	Counts the number of bytes discarded due to administratively downed connections.	FastPAD
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FastPAD
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FastPAD
FastPAD Frame Relay Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FastPAD
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FastPAD
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FastPAD
Tx Bytes Discarded Ingress CRC (38)	Counts the number of bytes discarded due to ingress CRC or length errors.	FastPAD
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FastPAD
Tx Bytes Discarded Trunk Discard(40)	Counts the number of bytes discarded due to trunk CRC or length errors.	FastPAD
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FastPAD
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FastPAD

Connection Statistics [1]	Description	Valid Applications
ASI		
Receive Frames Discarded (1)	Counts the number of frames discarded by the local ASI before the queue is transmitted onto the Muxbus.	ASI
Pkts Transmitted (6)	Counts the number of packets transmitted onto the Muxbus from the local port card.	ASI
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the ASI port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	ASI
Seconds in Service (16)	Counts the number of seconds in service (not in alarm, the required cards are present, and the connection is routed).	ASI
DE Frames Received (21)	Counts the number of frames received by the local ASI port with the discard eligibility bit set.	ASI
Bytes Transmitted in Excess of CIR (28)	Counts the number of bytes transmitted in excess of the committed information rate.	ASI
Cells Rx port (29)	Counts the number of cells received at the port.	ASI
Frames Rx port (30)	Counts the number of frames received at the port.	ASI
Cells Tx network (31)	Counts the number of cells transmitted to the network.	ASI
CLP Rx port (32)	Counts the number of CLP cells received at the port.	ASI
Non-comp CLP Rx port (33)	Counts the number of non-compliant CLP cells received at the port.	ASI
Discard CLPth Rx port (34)	Counts the number of CLP cells received at the port and then discarded.	ASI
Discard Qfull Rx port (35)	Counts the number of cells discarded due to transmit queue overflow.	ASI
EFCI Rx port (36)	Counts the number of cells received at the port with the EFCI bit set.	ASI
AAL5 Rx port (37)	Counts the number of AAL5 cells received at the port.	ASI
Non-comp Rx port (38)	Counts the number of non-compliant cells received at the port.	ASI
Discard failed Rx port (39)	Counts the number of failed cells received at the port and then discarded.	ASI
AAL5 Discard Qfull Rx port (40)	Counts the number of AAL5 cells discarded due to transmit queue overflow.	ASI
Average Cell Q Depth (41)	Displays the average transmit queue depth in cells.	ASI
Discard rsrc overflow Rx port (42)	Counts the number of cells discarded due to resource overflow.	ASI
Discard Sbin full Rx port (43)	Counts the number of cells discarded due to the Sbin being full.	ASI
EFCI Tx port (44)	Counts the number of cells transmitted from the port with the EFCI bit set.	ASI
Cells Tx port (45)	Counts the number of cells transmitted from the port.	ASI
Cells Rx network (46)	Counts the number of cells received from the network.	ASI

Connection Statistics [1]	Description	Valid Applications
Discard Qbin full (47)	Counts the number of cells discarded because the queue bin was full.	ASI
Discard Qbin CLPth port(48)	Counts the number of CLP cells discarded because the queue bin was full.	ASI
CLP Tx port (49)	Counts the number of cells transmitted from the port with the CLP bit set.	ASI
BCM Rx port (50)	Counts the number of BCM cells received at the port.	ASI
BCM Tx network (51)	Counts the number of BCM cells transmitted to the network.	ASI
OAM Tx network (52)	Counts the number of OAM cells transmitted to the network.	ASI
AIS Rx port (53)	Counts the number of AIS cells received at the port.	ASI
FERF Rx port (54)	Counts the number of FERF cells received at the port.	ASI
AXIS Frame Relay		
Frames Received (0)	Counts the number of frames received by the local frp port.	FRP
Receive Frames Discarded (1)	Counts the number of frames discarded by the local frp before the queue is transmitted onto the Muxbus.	FRP
Frames Transmitted (2)	Counts the number of frames transmitted out of the local frp port.	FRP
Transmit Frames Discarded (3)	Counts the number of frames discarded by the local frp before the queue is transmitted out the port.	FRP
Bytes Received (9)	Counts the number of frame bytes received by the local FRP port.	FRP
Receive Bytes Discarded (10)	Counts the number of frame bytes received and discarded by the local frp port.	FRP
Bytes Transmitted (11)	Counts the number of frame bytes received from the Muxbus and transmitted out the frp port.	FRP
Transmit Bytes Discarded (12)	Counts the number of frame bytes received from the Muxbus that are discarded before transmittal out the frp port due to the age of the frame in the IPX, CRC errors, or lack of buffer space.	FRP
Frames Transmitted with FECN (17)	Counts the number of frames transmitted with the FECN bit set.	FRP
Frames Transmitted with BECN (18)	Counts the number of frames transmitted with the BECN bit set.	FRP
Minutes Congested (20)	Counts the number of minutes where 50% or more of the frames are tagged FECN by FRP.	FRP
DE Frames Received (21)	Counts the number of frames received by the local FRP port with the discard eligibility bit set.	FRP
DE Frames Transmitted (22)	Counts the number of frames transmitted by the local FRP port with the discard eligibility bit set.	FRP
DE Frames Dropped (23)	Counts the number of frames received with the discard eligibility bit set that are discarded rather than being transmitted onto the Muxbus.	FRP

Connection Statistics [1]	Description	Valid Applications
DE Bytes Received (24)	Counts the number of bytes received with the discard eligibility bit set.	FRP
AXIS FR Connection Ingress Stats		
Rx Frames Discarded VC Q Overflow (33)	Counts the number of frames discarded due to VC queue overflow.	FRP
Rx Bytes Discarded VC Q Overflow (34)	Counts the number of bytes discarded due to VC queue overflow.	FRP
AXIS FR Connection Egress Stats		
Tx Frames Discarded VC Q Overflow (35)	Counts the number of frames discarded due to transmit queue overflow.	FRP
Tx Bytes Discarded VC Q Overflow (36)	Counts the number of bytes discarded due to transmit queue overflow.	FRP
Tx Frames Discarded Ingress CRC (37)	Counts the number of frames discarded due to ingress CRC or length errors.	FRP
Tx Frames Discarded Trunk Discard (39)	Counts the number of frames discarded due to trunk CRC or length errors.	FRP
Tx Frames during Egress LMI Fail (41)	Counts the number of frames transmitted during an LMI failure at egress.	FRP
Tx Bytes during Egress LMI Fail (42)	Counts the number of bytes transmitted during an LMI failure at egress.	FRP

1. Applicable to each end point of the connection

Table B-2 Circuit Line Statistics, Preliminary Listing

Circuit Line Statistics	Description	Valid Applications
Bipolar Violations (00)	Counts the number of bipolar violations on the circuit line.	T1/E1/J1 CDP, FRP
Frame Slips (01)	Counts the number of frame slips on the receive side.	T1/E1/J1 CDP, FRP
Out of Frames (02)	Counts 0 to 1 transitions of the out of frame condition.	T1/E1/J1 CDP, FRP
Losses of Signal (03)	Counts 0 to 1 transitions of the loss of signal condition.	T1/E1/J1, CDP, FRP
Frame Bit Errors (04)	Counts frame alignment signal errors.	T1/E1/J1, CDP, FRP
CRC Errors (05)	Counts detected CRC errors.	CDP, and FRP E1, CDP, and FRP T1-ESF
Out of Multi-frames (06)	Counts 0 to 1 transitions which determine out of multi-frames.	CDP E1/J1
All Ones in Timeslot 16 (07)	Counts 0 to 1 transitions of AIS-16.	CDP E1/J1
ATM Connections		
B3ZS Line Code Violations (28)	Counts the number of violations of the T3 B3ZS code.	ASI-1
Line Errored Seconds (29)	Counts the number of errored seconds based on code violations.	ASI-1
Line Severely Errored Seconds (30)	Counts the number of Severely Errored seconds based on code violations.	ASI-1
P-bit Line Parity Errors (31)	Counts the number of parity errors in the PLCP-frame P bit.	ASI-1
Errored Seconds - Parity (32)	Counts the number of Errored seconds based on parity.	ASI-1
Severely Errored Seconds - Parity (33)	Counts the number of Severely Errored seconds based on parity.	ASI-1
Unavailable Seconds (39)	Counts the number of unavailable seconds based on parity.	ASI-1
PLCP BIP-8 Errors (40)	Counts the number of internal BPX errors.	ASI-1
BIP-8 Errored Seconds (41)	Counts the number of internal BPX errored seconds.	ASI-1
BIP-8 Severely Errored Seconds (42)	Counts the number of internal BPX severely errored seconds.	ASI-1
PLCP Severely Errored Framing Seconds (43)	Counts the number of Severely Errored seconds based on PLCP framing errors.	ASI-1
PLCP Unavailable Seconds (44)	Counts the number of internal BPX unavailable seconds.	ASI-1
HCS Errors (45)	Counts the number of header check sum errors.	ASI-1
HCS Errored Seconds (147)	Counts the number of header check sum errored seconds.	ASI-1
HCS Severely Errored Seconds (148)	Counts the number of header check sum severely errored seconds.	ASI-1
IWF Frames Rx and Aborted (29)	Counts the number of IWF frames received and aborted	ASI-1
IWF Frames Rx with EFCI Bit Set in EOF FP (30)	Counts the number of IWF frames received that have the EFCI bit set.	ASI-1
Cells Rx Port (31)	Counts the number of cells received from the port.	ASI-1
Frames Rx Port (32)	Counts the number of frames received from the port.	ASI-1
Cells Tx Network (33)	Counts the number of cells transmitted to the network.	ASI-1
CLP Rx Port (34)	Counts the number of cells received from the port that had their CLP bit set.	ASI-1
Non-comp CLP Rx Port (35)	Counts the number of cells received from the port that had their CLP bit set due to UPC violations.	ASI-1

Circuit Line Statistics	Description	Valid Applications
Discard CLP Th Rx Port (36)	Counts the number of CLP=1 cells received from the port that were discarded because the VC queue exceeded the CLP threshold.	ASI-1
Discard Qfull Rx Port (37)	Counts the number of cells received from the port that were discarded because the VC queue was full.	ASI-1
EFCI Rx Port (38)	Counts the number of EFCI cells received from the port.	ASI-1
AAL5 Rx Port (39)	Counts the number of AAL5 cells received from the port.	ASI-1
Non-comp Rx Port (40)	Counts the number of non-compliant cells received from the port.	ASI-1
Discard Failed Rx Port (41)	Counts the number of cells received from the port that were discarded because the connection had failed.	ASI-1
AAL5 Disc. Qfull Rx Port (42)	Counts the number of AAL5 cells received from the port that were discarded because the VC queue was full.	ASI-1
Disc. Rsrc Oflow Rx Port (43)	Counts the number of cells received from the port that were discarded because of a resource overflow.	ASI-1
Disc. Sbin Full Rx Port (44)	Counts the number of cells received from the port that were discarded because the Sbin was full.	ASI-1
BCM Rx Port (45)	Counts the number of BCM cells received from the port.	ASI-1
BCM Tx Network (46)	Counts the number of BCM cells transmitted to the network.	ASI-1
OAM Tx Network (46)	Counts the number of OAM cells transmitted to the network.	ASI-1
Qbin Discard Tx Port (47)	Counts the number of cells transmitted to the port that were discarded because the Qbin was full.	ASI-1
Qbin CLP Disc. Tx Port (49)	Counts the number of cells that had their CLP bit set transmitted to the port that were discarded because the egress Qbin exceeded the CLP threshold.	ASI-1
Cells Rx Network (50)	Counts the number of cells received from the network.	ASI-1
CLP Tx Port (51)	Counts the number of cells transmitted to the port that had their CLP bit set.	ASI-1
EFCI Tx Port (52)	Counts the number of cells transmitted to the port that had their EFCI bit set.	ASI-1
Cells Tx Port (53)	Counts the total number of cells transmitted to the port.	ASI-1
AIS Rx Port (54)	Counts the number of AIS cells received from the port.	ASI-1
FERF Rx Port (55)	Counts the number of FERF cells received from the port.	ASI-1

Table B-3 Narrowband Statistics, Preliminary Listing

Narrowband Statistics	Description	Valid Applications[1]
Bipolar Violations (0)	Counts the number of bipolar violations on a narrowband line.	T1 and E1
Frame Slips (1)	Counts the number of frame slips on the receive side.	T1 and E1
Out of Frames (2)	Counts 0 to 1 transitions of the out of frame condition.	T1 and E1
Losses of Signal (3)	Counts 0 to 1 transitions of the loss of signal condition.	NTC trunks
Frame Bit Errors (4)	Counts frame alignment signal errors.	NTC-E1 & NTC T1-D4
CRC Errors Statistics (5)	Counts the number of packets with detected CRC errors.	NTC-E1, and NTC-T1-ESF
Packet Out of Frames (8)	Counts the number of packets with out of frame errors.	NTC trunks
Packet CRC Errors (9)	Counts the number of packets with detected CRC errors in packet headers.	All trunks
Bad Clock Errors (10)	Count 0 to 1 transitions of clock loss.	NTC subrate
Transmit Voice Pkts Dropped (11)	Counts the number of voice packets dropped before the queue is transmitted on a line.	All trunks
Transmit Time Stamped Pkts Dropped (12)	Counts the number of time stamped packets dropped before the queue is transmitted on line.	All trunks
Transmit Non-Time Stamped Pkts Dropped (13)	Counts the number of non-time stamped packets dropped before the queue is transmitted on line.	All trunks
Transmit High Priority Pkts Dropped (14)	Counts the number of high priority packets (PCC) dropped before the queue is transmitted on line.	All trunks
Transmit Bursty Data A Pkts Dropped (15)	Counts the number of bursty data A queue packets dropped before the queue is transmitted on line	All trunks
Transmit Bursty Data B Pkts Dropped (16)	Counts the number of bursty data B queue packets dropped before the queue is transmitted onto the line.	All trunks
Voice Pkts Transmitted to Line (17)	Counts the number of voice packets transmitted onto the line.	All trunks
Time Stamped Pkts Transmitted to Line (18)	Counts the number of time stamped packets transmitted onto the line.	All trunks
Non-Time Stamped Pkts Transmitted to Line (19)	Counts the number of non-time stamped packets transmitted onto the line.	All trunks
High Priority Pkts Transmitted to Line (20)	Counts the number of high priority packets transmitted onto the line.	All trunks
Bursty Data A Pkts Transmitted to Line (21)	Counts the number of bursty data A queue packets transmitted onto the line.	All trunks
Bursty Data B Pkts Transmitted to Line (22)	Counts the number of bursty data B queue packets transmitted onto the line.	All trunks
Packets Transmitted to Line (23)	Counts the total number of packets of any type transmitted onto the line.	All trunks

Narrowband Statistics	Description	Valid Applications[1]
Transmit Bursty Data A CLP Packets Dropped (24)	Counts the number of packets with the CLP bit set that are dropped from the bursty data A queue before the queue is transmitted onto the line.	All trunks
Transmit Bursty Data B CLP Packets Dropped (25)	Counts the number of packets with the CLP bit set that are dropped from the bursty data B queue before the queue is transmitted onto the line.	All trunks
Bursty Data A EFCN Packets Transmitted (26)	Counts the number of packets with the EFCN bit set that have been transmitted onto the line from the bursty data A queue.	All trunks
Bursty Data B EFCN Packets Transmitted (27)	Counts the number of packets with the EFCN bit set that have been transmitted onto the line from the bursty data B queue.	All trunks
BData A CLP Packets Transmitted (148)	Counts the number of packets with the CLP bit set that are transmitted onto the line from the bursty data A queue.	All trunks
BData B CLP Packets Transmitted (149)	Counts the number of packets with the CLP bit set that are transmitted onto the line from the bursty data B queue.	All trunks

1. Available for upped trunks.

Table B-4 IPX-ATM Statistics, Preliminary Listing

IPX-ATM Statistics	Description
Out of Frames (2)	Counts the number of 0 to 1 transitions of the out-of-frame condition (T3, E3).
Losses of Signal (3)	Counts the number of 0 to 1 transitions of the loss-of-signal condition (T3, E3).
Packet CRC Errors (9)	Counts the number of packet cyclical redundancy check errors.
Voice Packets Dropped (11)	Counts the number of voice packets dropped before transmitting onto the line.
TS Packets Dropped (12)	Counts the number of time stamped packets dropped before transmitting onto the line.
Non-TS Packets Dropped (13)	Counts the number of non-time stamped packets dropped before transmitting onto the line.
High Priority Packets Dropped (14)	Counts the number of high-priority packets dropped before transmitting onto the line.
BData A Packets Dropped (15)	Counts the number of bursty data A packets dropped before transmitting onto the line.
BData B Packets Dropped (16)	Counts the number of bursty data B packets dropped before transmitting onto the line.
Voice Packets Transmitted to Line (17)	Counts the number of voice packets transmitted onto the line.
TS Packets Transmitted (18)	Counts the number of time stamped packets transmitted onto the line.
Non-TS Packets Transmitted (19)	Counts the number of non-time stamped packets transmitted onto the line.
High Priority Packets Transmitted (20)	Counts the number of high-priority packets transmitted onto the line.
BData A Packets Transmitted (21)	Counts the number of bursty data A packets transmitted onto the line.
BData B Packets Transmitted (22)	Counts the number of bursty data B packets transmitted onto the line.
Total Packets Transmitted (23)	Counts the total number of packets of any type transmitted onto the line. This statistic can also be derived by adding up the number of individual packets transmitted for each of the individual types of queues.
BData A CLP Packets Dropped (24)	Counts the number of packets with their CLP bit set that have been dropped from Bursty Data Queue A.
BData B CLP Packets Dropped (25)	Counts the number of packets with their CLP bit set that have been dropped from Bursty Data Queue B.
BData A EFCN Packets Transmitted (26)	Counts the number of packets transmitted from Bursty Data Queue A with the EFCN bit set.
BData B EFCN Packets Transmitted (27)	Counts the number of packets transmitted from Bursty Data Queue B with the EFCN bit set.
Line Code Violations (28)	Counts the number of received bipolar violations (bpv) or excessive zeros (exz) which have occurred. Each detected bpv increments this statistic by one. Each exz increments this statistic by one, regardless of the length of the zero string. (T3, E3)

IPX-ATM Statistics	Description
Line Errored Seconds (29)	Counts the number of seconds with at least one line code violation (lcv). This statistic is also incremented during detection of the raw loss of signal state (T3, E3).
Line Severely Errored Seconds (30)	Counts the number of seconds with line code violations (lcv) occurring at a rate greater than 10^{-6}. This corresponds to 45 or more lcvs a second at the DS3 rate. This statistic is also incremented during detection of the raw loss of signal state (T3, E3).
P-bit Parity Code Violations (31)	Counts the number of received P-bit parity codes which do not match the locally calculated parity code.
Errored Seconds - Line (32)	Counts the number of seconds with at least one p-bit parity code violation (pcv-l). This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Seconds - Line (33)	Counts the number of seconds with p-bit parity code violations (pcv-l) occurring at a rate of greater than 10^{-6}; this corresponds to 44 or more pcv-ls within a second at the DS3 rate. This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
C-bit Parity Code Violations (34)	Counts the number of received C-bit parity codes which do not match the locally calculated parity code.
Errored Seconds - Path (35)	Counts the number of seconds with at least one C-bit parity code violation (pcv-p). This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Seconds - Path (36)	Counts the number of seconds with c-bit parity code violations (pcv-p) occurring at a rate greater than 10^{-6}; this corresponds to 44 or more pcv-cs a second at the DS3 rate. This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Framing Seconds (37)	Counts the number of seconds where 3 or more errors in 16 or fewer consecutive F-bits occur within a DS3 M-frame (T3, E3).
Alarm Indication Signal Seconds (38)	Counts the number of seconds during which the raw alarm indication signal state was detected (T3, E3).
Unavailable Seconds (39)	Counts the number of seconds for which the DS3 layer service is unavailable. Service becomes unavailable at the declaration of an integrated DS3 line alarm, i.e., los, oof, ais, yel (T3, E3).
ATM Cell Header HEC Errors (45)	Counts the number of header error checksum mismatches which have been detected.
Tx Voice Cells Dropped (47)	Counts the number of voice cells dropped before the queue is transmitted onto the line.
Tx TS Cells Dropped (48)	Counts the number of time stamped cells dropped before the queue is transmitted onto the line.
Tx Non-TS Cells Dropped (49)	Counts the number of non-time stamped cells dropped before the queue is transmitted onto the line.
Tx High Priority Cells Dropped (50)	Counts the number of high priority cells dropped before the queue is transmitted onto the line.
Tx BData A Cells Dropped (51)	Counts the number of bursty data A cells dropped before the queue is transmitted onto the line.

IPX-ATM Statistics	Description
Tx BData B Cells Dropped (52)	Counts the number of bursty data B cells dropped before the queue is transmitted onto the line.
Voice Cells Tx to Line (53)	Counts the number of cells transmitted from the voice queue onto the line.
TS Cells Tx to Line (54)	Counts the number of cells transmitted from the time stamped queue onto the line.
Non-TS Cells Tx to Line (55)	Counts the number of cells transmitted from the non-time stamped queue onto the line.
High Priority Cells Tx to Line (56)	Counts the number of cells transmitted from the high priority queue onto the line.
BData A Cells Tx to Line (57)	Counts the number of cells transmitted from the bursty data A queue onto the line.
BData B Cells Tx to Line (58)	Counts the number of cells transmitted from the bursty data B queue onto the line.
Half Full Cells Tx to Line (59)	Counts the number of cells containing one packet which were transmitted onto the line.
Full Cells Tx to Line (60)	Counts the number of cells containing two packets which were transmitted onto the line.
Total Cells Tx to Line (61)	Counts the total number of cells transmitted onto the line.
Tx BData A CLP Cells Dropped (62)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data A queue.
Tx BData B CLP Cells Dropped (63)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data B queue.
BData A EFCN Cells Tx to Line (64)	Counts the number of cells transmitted from the bursty data A queue with the EFCN bit set.
BData B EFCN Cells Tx to Line (65)	Counts the number of cells transmitted from the bursty data B queue with the EFCN bit set.
Half Full Cells Rx from Line (66)	Counts the number of cells containing one packet which were received from the line.
Full Cells Rx from Line (67)	Counts the number of cells containing two packets which were received from the line.
Total Cells Rx from Line (68)	Counts the total number of cells received from the line.
Total Packets Rx from Line (69)	Counts the number of packets received from the line.
Rx Voice Packets Dropped (70)	Counts the number of voice packets dropped before the queue is transmitted onto the Muxbus.
Rx TS Packets Dropped (71)	Counts the number of time stamped packets dropped before the queue is transmitted onto the Muxbus.
Rx Non-TS Packets Dropped (72)	Counts the number of non-time stamped packets dropped before the queue is transmitted onto the Muxbus.
Rx High Priority Packets Dropped (73)	Counts the number of high priority packets dropped before the queue is transmitted onto the Muxbus.
Rx BData A Packets Dropped (74)	Counts the number of burst data A packets dropped before the queue is transmitted onto the Muxbus.
Rx BData B Packets Dropped (75)	Counts the number of bursty data B packets dropped before the queue is transmitted onto the Muxbus.

IPX-ATM Statistics	Description
Rx BData A CLP Packets Dropped (82)	Counts the number of packets with their CLP bit set that have been dropped from the bursty data A queue.
Rx BData B CLP Packets Dropped (83)	Counts the number of packets with their CLP bit set that have been dropped from the bursty data B queue.
Rx Voice Cells Dropped (87)	Counts the number of voice cells dropped before the queue is transmitted onto the Muxbus.
Rx TS Cells Dropped (88)	Counts the number of time stamped cells dropped before the queue is transmitted onto the Muxbus.
Rx Non-TS Cells Dropped (89)	Counts the number of non-time stamped cells dropped before the queue is transmitted onto the Muxbus.
Rx High Priority Cells Dropped (90)	Counts the number of high priority cells dropped before the queue is transmitted onto the Muxbus.
Rx BData A Cells Dropped (91)	Counts the number of bursty data A cells dropped before the queue is transmitted onto the Muxbus.
Rx BData B Cells Dropped (92)	Counts the number of bursty data B cells dropped before the queue is transmitted onto the Muxbus.
Rx BData A CLP Cells Dropped (93)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data A queue.
Rx BData B CLP Cells Dropped (94)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data B queue.
FEBE Counts (140)	Counts the number of (F)ar (E)nd (B)it (E)rrors embedded in the DS3 Framing received from the line.
FERR Counts (M-bit or F-bit) (141)	Counts the number of (F)raming (ERR)ors embedded in the DS3 framing received from the line.
PLCP FEBE Errored Seconds (142)	Counts the number of seconds that PLCP FEBE errors are received.
PLCP FEBE Severely Errored Seconds (143)	Counts the number of seconds that PLCP FEBE severe errors are received from the line (errors greater than 10^{-6}).
PLCP FEBE Counts (144)	Counts the number of FEBEs embedded in the PLCP framing received from the line.
PLCP FE Counts (145)	Counts the number of (F)raming (ERR)ors embedded in the PLCP framing received from the line.
ATM HEC Errored Seconds (146)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum errors are received from the line.
ATM HEC Severely Errored Seconds (147)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum severe errors are received from the line (errors greater than 10^{-6}).
BDataA CLP Packets Transmitted (148)	Counts the number of packets with the CLP bit set in the bursty data A queue that are transmitted.
BDataB CLP Packets Transmitted (149)	Counts the number of packets with the CLP bit set in the bursty data B queue that are transmitted.
CGW Packets Rx From IPX Net (160)	Counts the number of Complex Gateway packets received from the IPX network.
CGW Cells Tx To Line (161)	Counts the number of Complex Gateway cells that are transmitted.
CGW Frames Relayed To Line (162)	Counts the number of Complex Gateway frames that are transmitted to the line.

IPX-ATM Statistics	Description
CGW Aborted Frames Tx To Line (163)	Counts the number of aborted Complex Gateway frames that are transmitted to the line.
CGW Packets Tx To IPX Net (166)	Counts the number of Complex Gateway packets transmitted to the IPX network.
CGW Cells Rx From Line (167)	Counts the number of Complex Gateway cells that are received from the line.
CGW Bad CRC-32 Frames Rx From Line (171)	Counts the number of Complex Gateway frames with bad 32-bit CRCs that are received from the line.
CGW Bad CRC-16 Frames Rx From IPX (173)	Counts the number of Complex Gateway frames with bad 16-bit CRCs that are received from the IPX.
OAM Loopback Cells Tx (177)	Counts the number of Operation & Maintenance Cells transmitted with loopback code.
OAM AIS Cells Tx (178)	Counts the number of Operation & Maintenance Cells transmitted with Alarm Info. Signal code.
OAM FERF Cells Tx (179)	Counts the number of Operation & Maintenance Cells transmitted with far-end receiver frame loss code.
OAM RTD Cells Tx (180)	Counts the number of Operation & Maintenance Cells transmitted to measure round-trip delay.
OAM RA Cells Tx (181)	Counts the number of Operation & Maintenance Cells transmitted with remote alarm code.
OAM CC Cells Tx (183)	Counts the number of Operation & Maintenance Cells transmitted for internode controller communications.
OAM Loopback Cells Rx (185)	Counts the number of Operation & Maintenance Cells received with loopback code.
OAM AIS Cells Rx (186)	Counts the number of Operation & Maintenance Cells received with Alarm Info. Signal code.
OAM FERF Cells Rx (187)	Counts the number of Operation & Maintenance Cells received with far-end receiver frame loss code.
OAM RTD Cells Rx (188)	Counts the number of Operation & Maintenance Cells received to measure round-trip delay.
OAM RA Cells Rx (189)	Counts the number of Operation & Maintenance Cells received with remote alarm code.
OAM CC Cells Rx (191)	Counts the number of Operation & Maintenance Cells received for internode controller communications.

Table B-5 BPX-ATM Statistics, Preliminary Listing

BPX-ATM Statistics	Description
Out of Frames (2)	Counts the number of 0 to 1 transitions of the out-of-frame condition (T3, E3).
Losses of Signal (3)	Counts the number of 0 to 1 transitions of the loss-of-signal condition (T3, E3).
B3ZS Line Code Violations (28)	Counts the number of received B3ZS violations or excessive zeros which have occurred. Each exz increments this statistic by one, regardless of the length of the zero string. (T3, E3)
Line Errored Seconds (29)	Counts the number of seconds with at least one line code violation (lcv). This statistic is also incremented during detection of the raw loss of signal state (T3, E3).
Line Severely Errored Seconds (30)	Counts the number of seconds with line code violations (lcv) occurring at a rate greater than 10^{-6}. This corresponds to 45 or more lcvs a second at the DS3 rate. This statistic is also incremented during detection of the raw loss of signal state (T3, E3).
P-bit Parity Code Violations (31)	Counts the number of received P-bit parity codes which do not match the locally calculated parity code.
Errored Seconds - Line (32)	Counts the number of seconds with at least one p-bit parity code violation (pcv-l). This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Seconds - Line (33)	Counts the number of seconds with p-bit parity code violations (pcv-l) occurring at a rate of greater than 10^{-6}; this corresponds to 44 or more pcv-ls within a second at the DS3 rate. This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
C-bit Parity Code Violations (34)	Counts the number of received C-bit parity codes which do not match the locally calculated parity code.
Errored Seconds - Path (35)	Counts the number of seconds with at least one C-bit parity code violation (pcv-p). This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Seconds - Path (36)	Counts the number of seconds with c-bit parity code violations (pcv-p) occurring at a rate greater than 10^{-6}; this corresponds to 44 or more pcv-cs a second at the DS3 rate. This statistic is also incremented during detection of the raw out of frame or alarm indication signal states (T3, E3).
Severely Errored Framing Seconds (37)	Counts the number of seconds where 3 or more errors in 16 or fewer consecutive F-bits occur within a DS3 M-frame (T3, E3).
Alarm Indication Signal Seconds (38)	Counts the number of seconds during which the raw alarm indication signal state was detected (T3, E3).
Unavailable Seconds (39)	Counts the number of seconds for which the DS3 layer service is unavailable. Service becomes unavailable at the declaration of an integrated DS3 line alarm, i.e., los, oof, ais, yel (T3, E3).
ATM Cell Header HEC Errors (45)	Counts the number of header error checksum mismatches which have been detected.
Tx Voice Cells Dropped (47)	Counts the number of voice cells dropped before the queue is transmitted onto the line.

BPX-ATM Statistics	Description
Tx TS Cells Dropped (48)	Counts the number of time stamped cells dropped before the queue is transmitted onto the line.
Tx Non-TS Cells Dropped (49)	Counts the number of non-time stamped cells dropped before the queue is transmitted onto the line.
Tx High Priority Cells Dropped (50)	Counts the number of high priority cells dropped before the queue is transmitted onto the line.
Tx BData A Cells Dropped (51)	Counts the number of bursty data A cells dropped before the queue is transmitted onto the line.
Tx BData B Cells Dropped (52)	Counts the number of bursty data B cells dropped before the queue is transmitted onto the line.
Voice Cells Tx to Line (53)	Counts the number of cells transmitted from the voice queue onto the line.
TS Cells Tx to Line (54)	Counts the number of cells transmitted from the time stamped queue onto the line.
Non-TS Cells Tx to Line (55)	Counts the number of cells transmitted from the non-time stamped queue onto the line.
High Priority Cells Tx to Line (56)	Counts the number of cells transmitted from the high priority queue onto the line.
BData A Cells Tx to Line (57)	Counts the number of cells transmitted from the bursty data A queue onto the line.
BData B Cells Tx to Line (58)	Counts the number of cells transmitted from the bursty data B queue onto the line.
Total Cells Tx to Line (61)	Counts the total number of cells transmitted onto the line.
Tx BData A CLP Cells Dropped (62)	Counts the number of cells with their CLP bit set that have been dropped from bursty data A queue.
Tx BData B CLP Cells Dropped (63)	Counts the number of cells with their CLP bit set that have been dropped from bursty data B queue.
BData A EFCN Cells Tx to Line (64)	Counts the number of cells transmitted from bursty data A queue with the EFCN bit set.
BData B EFCN Cells Tx to Line (65)	Counts the number of cells transmitted from bursty data B queue with the EFCN bit set.
Total Cells Rx from Line (68)	Counts the total number of cells received from the line.
Total Packets Rx from Line (69)	Counts the total number of packets received from the line.
Rx Voice Cells Dropped (87)	Counts the number of voice cells dropped before the queue is transmitted onto the Muxbus.
Rx TS Cells Dropped (88)	Counts the number of time stamped cells dropped before the queue is transmitted onto the Muxbus.
Rx Non-TS Cells Dropped (89)	Counts the number of non-time stamped packets dropped before the queue is transmitted onto the Muxbus.
Rx High Priority Cells Dropped (90)	Counts the number of high priority cells dropped before the queue is transmitted onto the Muxbus.
Rx BData A Cells Dropped (91)	Counts the number of bursty data A cells dropped before the queue is transmitted onto the Muxbus.
Rx BData B Cells Dropped (92)	Counts the number of bursty data B cells dropped before the queue is transmitted onto the Muxbus.

BPX-ATM Statistics	Description
Rx BData A CLP Cells Dropped (93)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data A queue.
Rx BData B CLP Cells Dropped (94)	Counts the number of cells with their CLP bit set that have been dropped from the bursty data B queue.
FEBE Counts (140)	Counts the number of (F)ar (E)nd (B)it (E)rrors embedded in the DS3 framing received from the line.
FERR Counts (M-bit or F-bit) (141)	Counts the number of (F)raming (ERR)ors embedded in the DS3 framing received from the line.
PLCP FEBE Errored Seconds (142)	Counts the number of seconds that PLCP FEBE errors are received.
PLCP FEBE Severely Errored Seconds (143)	Counts the number of seconds that PLCP FEBE severe errors are received from the line (errors greater than 10^{-6}).
PLCP FEBE Counts (144)	Counts the number of FEBEs embedded in the PLCP framing received from the line.
PLCP FE Errored Seconds (145)	Counts the number of seconds that PLCP FE errors are received.
ATM HEC Errored Seconds (146)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum errors are received from the line.
ATM HEC Severely Errored Seconds (147)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum severe errors are received from the line (errors greater than 10^{-6}).
DS3 Yellow Transition Counts (150)	Counts the number of transitions into DS3 YEL (0 to 1 transitions).
PLCP Yellow Transition Counts (151)	Counts the number of transitions into PLCP YEL (0 to 1 transitions).
AIS Transition Counts (152)	Counts the number of 0 to 1 transitions of AIS.
Tx Voice CLP Cells Dropped (155)	Counts the number of voice cells with the CLP bit set that are dropped before the queue is transmitted.
Tx TS CLP Cells Dropped (156)	Counts the number of time stamped cells with the CLP bit set that are dropped before the queue is transmitted.
Tx Non-TS CLP Cells Dropped (157)	Counts the number of non-time stamped cells with the CLP bit set that are dropped before the queue is transmitted.
Tx High Priority CLP Cells Dropped (158)	Counts the number of high priority cells with the CLP bit set that are dropped before the queue is transmitted.
Tx CBR Cells Served (160)	Counts the number of cells with the CBR bit set that are transmitted.
Tx VBR Cells Served (161)	Counts the number of cells with the VBR bit set that are transmitted.
Tx ABR Cells Served (162)	Counts the number of cells with the ABR bit set that are transmitted.
Tx CBR CLP Cells Dropped (163)	Counts the number of CBR cells with the CLP bit set that are dropped before the queue is transmitted.
Tx VBR CLP Cells Dropped (164)	Counts the number of VBR cells with the CLP bit set that are dropped before the queue is transmitted.
Tx ABR CLP Cells Dropped (165)	Counts the number of ABR cells with the CLP bit set that are dropped before the queue is transmitted.

BPX-ATM Statistics	Description
Tx CBR Overflow Cells Dropped (166)	Counts the number of VBR cells that are dropped before the queue is transmitted due to overflow.
Tx VBR Overflow Cells Dropped (167)	Counts the number of CBR cells that are dropped before the queue is transmitted due to overflow.
Tx ABR Overflow Cells Dropped (168)	Counts the number of ABR cells that are dropped before the queue is transmitted due to overflow.
Loss of Cell Delineation (169)	Flags the Loss of Cell Delineation error.
Loss of Pointer (170)	Flags the Loss of Pointer error.
OC3 Path AIS Transition Counts (171)	Counts the number of 0 to 1 transitions of AIS on the OC3 path.
OC3 Path Yellow Transition Counts (172)	Counts the number of transitions into OC3 YEL (0 to 1 transitions).
Section BIP-8 (173)	Counts the number of BIP-8 errors received on the section.
Line BIP-24 (174)	Counts the number of BIP-24 errors received on the line.
Line FEBE (175)	Counts the number of FEBEs received from the line.
Path BIP-8 (176)	Counts the number of BIP-8 errors received on the path.
Path FEBE (177)	Counts the number of FEBEs received from the path.
Section BIP-8 Errored Seconds (178)	Counts the number of seconds that BIP-8 errors are received on the section.
Line BIP-24 Errored Seconds (179)	Counts the number of seconds that BIP-24 errors are received on the line.
Line FEBE Errored Seconds (180)	Counts the number of seconds that FEBEs are received on the line.
Path BIP-8 Errored Seconds (181)	Counts the number of seconds that BIP-8 errors are received on the path.
Path FEBE Errored Seconds (182)	Counts the number of seconds that FEBEs are received on the path.
Section Severely Errored Framing Seconds (184)	Counts the number of seconds that severe framing errors (errors greater than 10^{-6}) are received from the section.
Line BIP-24 Severely Errored Seconds (185)	Counts the number of seconds that severe BIP-24 errors (errors greater than 10^{-6}) are received on the line.
Line FEBE Severely Errored Seconds (186)	Counts the number of seconds that severe FEBEs (errors greater than 10^{-6}) are received on the line.
Path BIP-8 Severely Errored Seconds (187)	Counts the number of seconds that severe BIP-8 errors (errors greater than 10^{-6}) are received on the path.
Path FEBE Severely Errored Seconds (188)	Counts the number of seconds that severe FEBEs (errors greater than 10^{-6}) are received on the path.
Line Unavailable Seconds (189)	Counts the number of seconds for which the line is unavailable.
Line Far End Unavailable Seconds (190)	Counts the number of seconds for which the far end of the line is unavailable.
Path Unavailable Seconds (191)	Counts the number of seconds for which the path is unavailable.
Path Far End Unavailable Seconds (192)	Counts the number of seconds for which the far end of the path is unavailable.
HCS Correctable Errors (193)	Counts the number of correctable header error checksum mismatches which have been detected.

BPX-ATM Statistics	Description
HCS Correctable Error Errored Seconds (194)	Counts the number of seconds that correctable header error checksum mismatches are received.
HCS Correctable Error Severely Errored Seconds (195)	Counts the number of seconds that severe correctable header error checksum mismatches (greater than 10^{-6}) are received.

Table B-6 AXIS Narrowband Statistics, Preliminary Listing

AXIS Narrrowband Statistics	Description	Valid Applications
Out of Frames (2)	Counts 0 to 1 transitions of the out of frame condition.	AXIS
Losses of Signal (3)	Counts 0 to 1 transitions of the loss of signal condition.	AXIS
Frame Bit Errors (4)	Counts frame alignment signal errors.	AXIS

Table B-7 AXIS ATM Statistics, Preliminary Listing

AXIS ATM Statistics	Description	Valid Applications
Out of Frames (2)	Counts 0 to 1 transitions of the out of frame condition.	AXIS
Losses of Signal (3)	Counts 0 to 1 transitions of the loss of signal condition.	AXIS
ATM Cell Header HEC Errors (45)	Counts the number of header error checksum mismatches which have been detected.	AXIS
PLCP FEBE Errored Seconds (142)	Counts the number of seconds that PLCP FEBE errors are received.	AXIS
PLCP FEBE Severely Errored Seconds (143)	Counts the number of seconds that PLCP FEBE severe errors are received from the line (errors greater than 10^{-6}).	AXIS
PLCP FEBE Counts (144)	Counts the number of FEBEs embedded in the PLCP framing received from the line.	AXIS
PLCP FE Errored Seconds (145)	Counts the number of seconds that PLCP FE errors are received.	AXIS
ATM HEC Errored Seconds (146)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum errors are received from the line.	AXIS
ATM HEC Severely Errored Seconds (147)	Counts the number of seconds that ATM (H)eader (E)rrored (C)hecksum severe errors are received from the line (errors greater than 10^{-6}).	AXIS
DS3 Yellow Transition Counts (150)	Counts the number of transitions into DS3 YEL (0 to 1 transitions).	AXIS

Table B-8 Frame Relay Port Statistics

Frame Relay Port Statistics	Description	Valid Applications[1]
Frames Received (0)	Counts the number of frames received by the frp port.	FRP
Frames Transmitted (1)	Counts the number of frames transmitted out the frp port.	FRP
Bytes Received (2)	Counts the number of frame bytes received by the frame relay port.	FRP
Bytes Transmitted (3)	Counts the number of frame bytes transmitted out the frame relay port.	FRP
Frames Transmitted with FECN (4)	Counts the number of frames transmitted out the frame relay port with the FECN bit set.	FRP
Frames Transmitted with BECN (5)	Counts the number of frames transmitted out the frame relay port with the BECN bit set.	FRP
Receive Frame CRC Errors (6)	Counts the number of CRC errors on frames received by the frame relay port.	FRP
Invalid Format Receive Frames (7)	Counts the number of frames received by the frame relay port with incorrect EA bit settings (1 in first byte and/or a 0 in second byte).	FRP
Receive Frame Alignment Errors (8)	Counts the number of bit alignment errors on frames received by the frame relay port.	FRP
Illegal Length Receive Frames (9)	Counts the number of frames received by frame relay port which exceed the maximum allowed frame length.	FRP
Number of DMA Overruns (10)	Counts the number of DMA overruns on the frame relay port.	FRP
LMI Status Enquiries (11)	Counts the number of LMI status inquiries received by the FRP port from the user device.	FRP
LMI Status Transmit Count (12)	Counts the number of LMI status messages transmitted to the user device from the FRP port.	FRP
LMI Status Update Count (13)	Counts the number of LMI update messages transmitted to the user device from the FRP port.	FRP
LMI Invalid Status Enquiries (14)	Counts the number of invalid LMI status inquiries received by the FRP port from the user device.	FRP
LMI Link Time-out Errors (15)	Counts the number of LMI link time-out errors on the FRP port.	FRP
LMI Keep-alive Sequence Errors (16)	Counts the number of LMI keep-alive sequence errors on the FRP port.	FRP
Receive Frame Undefined DLCI Errors (17)	Counts the number of frames received by the FRP port with undefined DLCIs.	FRP
DE Frames Dropped (18)	Counts the number of frames with the DE bit set that have been dropped by the FRP before the queue is transmitted onto the Muxbus.	FRP (Model D), earlier versions report 0
Transmit Status Inquiries (19)	Counts the number of status inquiry messages sent to the remote network.	FRP-NNI. (Model F & H or later, earlier versions report 0)
Received Status Counter (20)	Counts the number of status inquiry messages received from the remote network.	FRP-NNI. (Model F & H or later, earlier versions report 0)
Asynchronous Status Counter (21)	Counts the number of asynchronous messages received from the remote network.	FRP-NNI. (Model F & H or later, earlier versions report 0)

Frame Relay Port Statistics	Description	Valid Applications[1]
Invalid Sequence Number Count (22)	Counts the number of status messages with the sequence number out of sequence.	FRP-NNI. (Model F & H or later, earlier versions report 0)
Transmit Protocol Timeout Count (23)	Counts the number of status inquiry messages sent to the remote network.	FRP-NNI. (Model F & H or later, earlier versions report 0)
CLLM Message Frames Transmitted (24)	Counts the number of Consolidated Link Layer Message frames transmitted over the NNI port.	FRP-NNI.
CLLM Message Bytes Transmitted (25)	Counts the number of Consolidated Link Layer Message bytes transmitted over the NNI port.	FRP-NNI.
CLLM Message Frames Received (26)	Counts the number of Consolidated Link Layer Message frames received from the NNI port.	FRP-NNI.
CLLM Message Bytes Received (27)	Counts the number of Consolidated Link Layer Message bytes received from the NNI port.	FRP-NNI.
CLLM Failures (28)	Counts the number of Consolidated Link Layer Message time-outs with no messages received.	FRP-NNI.
Port Egress Statistics		
Tx Frames Discarded Queue Overflow (29)	Counts the number of frames discarded due to transmit queue overflow.	FRP
Tx Bytes Discarded Queue Overflow (30)	Counts the number of bytes discarded due to transmit queue overflow.	FRP
Tx Frames while Ingress LMI Fail (31)	Counts the number of frames transmitted during an LMI failure at the ingress connection.	FRP
Tx Bytes while Ingress LMI Fail (32)	Counts the number of bytes transmitted during an LMI failure at the ingress connection.	FRP

1. Available for active FRP ports.

Table B-9 ASI Port Statistics

ASI Port Statistics	Description	Valid Applications
Unknown VPI/VCI (0)	Counts Unknown VPI/VCI errors.	ASI-1
Cell Buffer Overflow (1)	Counts the number of cell buffer overflow instances.	ASI-1
Non-zero GFC Count (2)	Counts the number of non-zero GFC errors.	ASI-1
Number of Cells Rx (7)	Counts the total number of cells received by the ASI port.	ASI-1
Number of Cells Rx w/CLP set (8)	Counts the number of cells with the CLP bit set received by the ASI port.	ASI-1
Number of Cells Rx w/EFCI set (9)	Counts the number of cells with the EFCI bit set received by the ASI port.	ASI-1
Number of Cells Tx (11)	Counts the total number of cells transmitted by the ASI port.	ASI-1
OAM Cells Rx Count (12)	Counts the number of Operations and Maintenance cells received by the ASI port.	ASI-1
Number of Cells Tx w/CLP set (14)	Counts the number of cells with the CLP bit set transmitted by the ASI port.	ASI-1
Number of Cells Tx w/EFCI set (15)	Counts the number of cells with the EFCI bit set transmitted by the ASI port.	ASI-1
Get Request Rx (17)	Counts the number of GetRequest PDUs received by the ASI port.	ASI-1
Get NextReq Rx (18)	Counts the number of GetNextRequest PDUs received by the ASI port.	ASI-1
Set Request Rx (19)	Counts the number of SetRequest PDUs received by the ASI port.	ASI-1
Trap Rx (20)	Counts the number of Trap PDUs received by the ASI port.	ASI-1
Get Resp Rx (21)	Counts the number of GetResponse PDUs received by the ASI port.	ASI-1
Get Request Tx (22)	Counts the number of GetRequest PDUs transmitted by the ASI port.	ASI-1
Get NextReq Tx (23)	Counts the number of GetNextRequest PDUs transmitted by the ASI port.	ASI-1
Get Resp Tx (24)	Counts the number of GetResponse PDUs transmitted by the ASI port.	ASI-1
Trap Tx (25)	Counts the number of Trap PDUs transmitted by the ASI port.	ASI-1
Status Tx (26)	Counts the number of Status messages transmitted by the ASI port.	ASI-1
UpdtStatus Tx (27)	Counts the number of Update Status messages transmitted by the ASI port.	ASI-1
Status Ack Tx (28)	Counts the number of Status Acknowledge messages transmitted by the ASI port.	ASI-1

Status Enq Tx (29)	Counts the number of Status Enquiry messages transmitted by the ASI port.	ASI-1
Status Rx (30)	Counts the number of Status messages received by the ASI port.	ASI-1
UpdtStatus Rx (31)	Counts the number of Update Status messages received by the ASI port.	ASI-1
Status Ack Rx (32)	Counts the number of Status Acknowledge messages received by the ASI port.	ASI-1
Status Enq Rx (33)	Counts the number of Status Enquiry messages received by the ASI port.	ASI-1
Invalid Rx (34)	Counts the number of Invalid messages received by the ASI port.	ASI-1
Unknown Rx (35)	Counts the number of Unknown messages received by the ASI port.	ASI-1
Invalid Transactions (36)	Counts the number of Invalid transactions on the ASI port.	ASI-1
Polling Timeouts (37)	Counts the number of Polling Timeouts on the ASI port.	ASI-1
Invalid LMI IE Rx (38)		ASI-1
Invalid Transaction IDs (39)		ASI-1

Table B-10 FastPAD Port Statistics

FastPAD Port Statistics	Description	Valid Applications
Frames Received (0)	Counts the number of frames received by the FastPAD port.	FastPAD
Frames Transmitted (1)	Counts the number of frames transmitted out the FastPAD port.	FastPAD
Bytes Received (2)	Counts the number of frame bytes received by the frame relay port.	FastPAD
Bytes Transmitted (3)	Counts the number of frame bytes transmitted out the frame relay port.	FastPAD
Frames Transmitted with FECN (4)	Counts the number of frames transmitted out the frame relay port with the FECN bit set.	FastPAD
Frames Transmitted with BECN (5)	Counts the number of frames transmitted out the frame relay port with the BECN bit set.	FastPAD
Receive Frame CRC Errors (6)	Counts the number of CRC errors on frames received by the frame relay port.	FastPAD
Invalid Format Receive Frames (7)	Counts the number of frames received by the frame relay port with incorrect EA bit settings (1 in first byte and/or a 0 in second byte).	FastPAD
Receive Frame Alignment Errors (8)	Counts the number of bit alignment errors on frames received by the frame relay port.	FastPAD
Illegal Length Receive Frames (9)	Counts the number of frames received by frame relay port which exceed the maximum allowed frame length.	FastPAD
Number of DMA Overruns (10)	Counts the number of DMA overruns on the frame relay port.	FastPAD
LMI Status Enquiries (11)	Counts the number of LMI status inquiries received by the FastPAD port from the user device.	FastPAD
LMI Status Transmit Count (12)	Counts the number of LMI status messages transmitted to the user device from the FastPAD port.	FastPAD
LMI Status Update Count (13)	Counts the number of LMI update messages transmitted to the user device from the FastPAD port.	FastPAD
LMI Invalid Status Enquiries (14)	Counts the number of invalid LMI status inquiries received by the FastPAD port from the user device.	FastPAD
LMI Link Time-out Errors (15)	Counts the number of LMI link time-out errors on the FastPAD port.	FastPAD
LMI Keep-alive Sequence Errors (16)	Counts the number of LMI keep-alive sequence errors on the FastPAD port.	FastPAD
Receive Frame Undefined DLCI Errors (17)	Counts the number of frames received by the FastPAD port with undefined DLCIs.	FastPAD
DE Frames Dropped (18)	Counts the number of frames with the DE bit set that have been dropped by the FastPAD before the queue is transmitted onto the Muxbus.	FastPAD
Transmit Status Inquiries (19)	Counts the number of status inquiry messages sent to the remote network.	FastPAD
Received Status Counter (20)	Counts the number of status inquiry messages received from the remote network.	FastPAD
Asynchronous Status Counter (21)	Counts the number of asynchronous messages received from the remote network.	FastPAD
Invalid Sequence Number Count (22)	Counts the number of status messages with the sequence number out of sequence.	FastPAD

FastPAD Port Statistics	Description	Valid Applications
Transmit Protocol Timeout Count (23)	Counts the number of status inquiry messages sent to the remote network.	FastPAD
CLLM Message Frames Transmitted (24)	Counts the number of Consolidated Link Layer Message frames transmitted over the NNI port.	FastPAD
CLLM Message Bytes Transmitted (25)	Counts the number of Consolidated Link Layer Message bytes transmitted over the NNI port.	FastPAD
CLLM Message Frames Received (26)	Counts the number of Consolidated Link Layer Message frames received from the NNI port.	FastPAD
CLLM Message Bytes Received (27)	Counts the number of Consolidated Link Layer Message bytes received from the NNI port.	FastPAD
CLLM Failures (28)	Counts the number of Consolidated Link Layer Message time-outs with no messages received.	FastPAD
FastPAD Port Egress Statistics		
Tx Frames Discarded Queue Overflow (29)	Counts the number of frames discarded due to transmit queue overflow.	FastPAD
Tx Bytes Discarded Queue Overflow (30)	Counts the number of bytes discarded due to transmit queue overflow.	FastPAD
Tx Frames while Ingress LMI Fail (31)	Counts the number of frames transmitted during an LMI failure at the ingress connection.	FastPAD
Tx Bytes while Ingress LMI Fail (32)	Counts the number of bytes transmitted during an LMI failure at the ingress connection.	FastPAD

Table B-11 AXIS Frame Relay Port Statistics

AXIS Port Statistics	Description	Valid Applications
Frames Received (0)	Counts the number of frames received by the AXIS port.	AXIS
Frames Transmitted (1)	Counts the number of frames transmitted out the AXIS port.	AXIS
Bytes Received (2)	Counts the number of frame bytes received by the AXIS port.	AXIS
Bytes Transmitted (3)	Counts the number of frame bytes transmitted out the AXIS port.	AXIS
Frames Transmitted with FECN (4)	Counts the number of frames transmitted out the AXIS port with the FECN bit set.	AXIS
Frames Transmitted with BECN (5)	Counts the number of frames transmitted out the AXIS port with the BECN bit set.	AXIS
Receive Frame CRC Errors (6)	Counts the number of CRC errors on frames received by the AXIS port.	AXIS
Invalid Format Receive Frames (7)	Counts the number of frames received by the AXIS port with incorrect EA bit settings (1 in first byte and/or a 0 in second byte).	AXIS
Receive Frame Alignment Errors (8)	Counts the number of bit alignment errors on frames received by the AXIS port.	AXIS
Illegal Length Receive Frames (9)	Counts the number of frames received by AXIS port which exceed the maximum allowed frame length.	AXIS
LMI Status Enquiries (11)	Counts the number of LMI status inquiries received by the AXIS port from the user device.	AXIS
LMI Status Update Count (13)	Counts the number of LMI update messages transmitted to the user device from the AXIS port.	AXIS
LMI Invalid Status Enquiries (14)	Counts the number of invalid LMI status inquiries received by the AXIS port from the user device.	AXIS
LMI Link Time-out Errors (15)	Counts the number of LMI link time-out errors on the AXIS port.	AXIS
Receive Frame Undefined DLCI Errors (17)	Counts the number of frames received by the AXIS port with undefined DLCIs.	AXIS
DE Frames Dropped (18)	Counts the number of frames with the DE bit set that have been dropped by the AXIS before the queue is transmitted onto the Muxbus.	AXIS
Transmit Status Inquiries (19)	Counts the number of status inquiry messages sent to the remote network.	AXIS
Invalid Sequence Number Count (22)	Counts the number of status messages with the sequence number out of sequence.	AXIS
AXIS Frame Relay Port Egress Statistics		
Tx Frames Discarded Queue Overflow (29)	Counts the number of frames discarded due to transmit queue overflow.	AXIS
Tx Bytes Discarded Queue Overflow (30)	Counts the number of bytes discarded due to transmit queue overflow.	AXIS
Tx Frames while Ingress LMI Fail (31)	Counts the number of frames transmitted during an LMI failure at the ingress connection.	AXIS
Tx Bytes while Ingress LMI Fail (32)	Counts the number of bytes transmitted during an LMI failure at the ingress connection.	AXIS

Table B-12 AXIS ATM Port Statistics

AXIS Port Statistics	Description	Valid Application
Unknown VPI/VCI (0)	Counts Unknown VPI/VCI errors.	AXIS
Non-zero GFC count (2)	Counts the number of non-zero GFC errors.	AXIS
Rx AIS Cells (5)	Counts the total number of AIS cells received by the AXIS ATM port.	AXIS
Rx FERF Cells (6)	Counts the total number of FERF cells received by the AXIS ATM port.	AXIS
Number of Cells Tx w/CLP Set (14)	Counts the total number of cells with the CLP bit set transmitted by the AXIS ATM port.	AXIS
Number of Cells Tx w/EFCI Set (15)	Counts the total number of cells with the EFCI bit set transmitted by the AXIS ATM port.	AXIS
Get Request Rx (17)	Counts the number of GetRequest PDUs received by the AXIS ATM port.	AXIS
GetNext Request Rx (18)	Counts the number of GetNextRequest PDUs received by the AXIS ATM port.	AXIS
Trap Rx (21)	Counts the number of Trap PDUs received by the AXIS ATM port.	AXIS
Get Response Rx (22)	Counts the number of GetResponse PDUs received by the AXIS ATM port.	AXIS
Get Request Tx (23)	Counts the number of GetRequest PDUs transmitted by the AXIS ATM port.	AXIS
Get Response Tx (24)	Counts the number of GetResponse PDUs transmitted by the AXIS ATM port.	AXIS
Trap Tx (25)	Counts the number of Trap PDUs transmitted by the AXIS ATM port.	AXIS
Total Cells Rx from Line (40)	Counts the total number of cells received from the line.	AXIS
Total Cells Tx to Line (41)	Counts the total number of cells transmitted to the line.	AXIS
OAM Loopback Cells Rx (42)	Counts the number of OAM loopback cells received by the AXIS ATM port.	AXIS
OAM Loopback Cells Tx (43)	Counts the number of OAM loopback cells transmitted by the AXIS ATM port.	AXIS
OAM CRC Err Cells Rx (44)	Counts the number of OAM cells with CRC errors received by the AXIS ATM port.	AXIS
Tx AIS Cells (45)	Counts the number of AIS cells transmitted by the AXIS ATM port.	AXIS
Discard Cells Tx for Port Alarm (46)	Counts the number of discard cells transmitted by the AXIS ATM port as a response to an alarm.	AXIS
SNMP PDU Received (47)	Counts the number of SNMP PDUs received by the AXIS ATM port.	AXIS
Invalid PDU Received (48)	Counts the number of invalid PDUs received by the AXIS ATM port.	AXIS
ASN1 Parse Error (49)	Counts the number of ASN1 parsing errors	AXIS
No Such Name Error (50)	Counts the number of ASN1 “No Such Name” errors	AXIS
Too Big Error (51)	Counts the number of ASN1 “Too Big” errors	AXIS