Definitions of Historic Events for IntelliNode

Table 1. Event Categories and Codes

Category Name	Category Code
DAT	1
UIM	2
DNP	3
LOG	4
SUM	5
CFM	11
IIM	22
UTL	24
NET	27
EVT	30
RTL	31

Table 2. Types of Additional Data Items for Historic Events (156 items)

<table>
<tr><th>Data Type Name</th><th>Represented As</th><th>Type Information</th></tr>
<tr><td>AccessDeniedReason</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>1</td><td>NoSession</td><td>No Session</td></tr>
<tr><td>2</td><td>SessIDMismatch</td><td>Session ID Mismatch</td></tr>
<tr><td>3</td><td>CredMismatch</td><td>User Credentials Mismatch</td></tr>
<tr><td>4</td><td>NoValidAuthObj</td><td>No Valid Authentication Object</td></tr>
<tr><td>5</td><td>InsuffRights</td><td>Insufficient Access Rights</td></tr>
<tr><td>6</td><td>BadData</td><td>Bad Data</td></tr>
<tr><td>7</td><td>RmtNotAllowed</td><td>Remote Not Allowed</td></tr>
<tr><td>8</td><td>WiFiNotAllowed</td><td>WiFi Not Allowed</td></tr>
<tr><td>9</td><td>BlockingClock</td><td>Blocking Clock Running</td></tr>
<tr><td>10</td><td>MaxAttempts</td><td>Max Access Attempts Exceeded</td></tr>
</table>
</td></tr>
<tr><td>Action</td><td>UINT16</td><td>Action in action path.
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>4</td><td>ClsForXfer</td><td>Close for xfer</td></tr>
<tr><td>20</td><td>CtrctReq</td><td>Contract request</td></tr>
<tr><td>21</td><td>CtrctEnd</td><td>Contract Terminate</td></tr>
<tr><td>30</td><td>BlockRecl</td><td>Block recloser</td></tr>
<tr><td>31</td><td>UnBlkRecl</td><td>Unblock recloser</td></tr>
<tr><td>33</td><td>BlkGdTrip</td><td>Block ground trip</td></tr>
<tr><td>34</td><td>UnblkGdTrip</td><td>Unblock ground trip</td></tr>
<tr><td>36</td><td>AltSettings</td><td>Alternate settings</td></tr>
</table>
</td></tr>
</table>

		37 Normal Normal 200 ActPathDone Action path done
ActiveURBEClassMask	UINT16	Bit mask - zero or more of the following OR-ed 0x02 - class 1 active 0x04 - class 2 active 0x08 - class 3 active **Enumeration** **Binary** / **Value** / **Descripion** 2 / Cls1Active / class 1 active 4 / Cls2Active / class 2 active 8 / Cls3Active / class 3 active
Agent	UINT16	**Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
AverageLoad	UINT16	Averaged Load **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
BMMRESULT	UINT16	BMM RESULT **Enumeration** **Binary** / **Value** / **Descripion** 0 / BMMRESSUCS / BMM Result is Successful 1 / BMMRESBADREQ / BMM Result is bad 2 / BMMRESBUSY / BMM Result is busy 3 / BMMRESBMMUNAVA / BMM Result is unavailable 4 / BMMRESBMMREADFAIL / BMM Result failed to read 5 / BMMRESBMMWRITEFAIL / BMM Result failed to write 6 / BMMRESRENMATCO / BMM Result Read but not matching copy 7 / BMMRESOVERFLOW / BMM Result has overflowed 8 / BMMRESBADRECORD / BMM Result has a bad record 9 / BMMRESNOFON / BMM Result is not found
BMMSTATE	UINT16	BMM STATE **Enumeration** **Binary** / **Value** / **Descripion** 0 / BMM_STATE_READY / BMM is ready to process API calls 1 / BMM_STATE_BUSY / BMM is busy processig an API call or with maintenance 2 / BMM_STATE_INIT / BMM is initializing 3 / BMMSTATNOTDETECTED / BMM hardware is not accessible 4 / BMM_STATE_ERROR / A fatal run-time error encountered during operation

<table>
<tr><td>BooleanTrueFalse</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>0</td><td>false</td><td>false</td></tr>
<tr><td>1</td><td>true</td><td>true</td></tr>
</table>
</td></tr>
<tr><td>bufsiz</td><td>UINT16</td><td>
<table>
<tr><th colspan="2">Numeric Type, Range: 0-65535</th></tr>
<tr><th>Action</th><th>Value</th></tr>
<tr><td>Multiplier</td><td>1</td></tr>
<tr><td>Adder</td><td>0</td></tr>
</table>
</td></tr>
<tr><td>CallbackStatus</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>0</td><td>MsgRespSucc</td><td>Message response received successfully</td></tr>
<tr><td>1</td><td>MsgNoResp</td><td>Message received no response</td></tr>
<tr><td>2</td><td>MsgExpired</td><td>Message expired on the transmit list</td></tr>
<tr><td>3</td><td>RespBadData</td><td>Message response data contained an error</td></tr>
<tr><td>4</td><td>MsgNoPeerDev</td><td>Message had no associated peer device</td></tr>
</table>
</td></tr>
<tr><td>ClearPRBlocker</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>0</td><td>MasterBlks</td><td>Master Blocks</td></tr>
<tr><td>1</td><td>SetptBlks</td><td>Setpoint Blocks</td></tr>
</table>
</td></tr>
<tr><td>ClearPRonHLTRem</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>0</td><td>ClrPRonHLTRemDisab</td><td>Disabled</td></tr>
<tr><td>1</td><td>ClrPRonHLTRemEnab</td><td>Enabled</td></tr>
<tr><td>2</td><td>PRsetBySCADA</td><td>PR Set By SCADA</td></tr>
<tr><td>3</td><td>PRsetByLocCmd</td><td>PR Set By Loc Cmd</td></tr>
<tr><td>4</td><td>PRsetByAux</td><td>PR Set By Aux</td></tr>
<tr><td>5</td><td>PRsetBySTMM</td><td>PR Set By STMM</td></tr>
<tr><td>6</td><td>PRsetByUnKwn</td><td>PR SetBy Unknown</td></tr>
</table>
</td></tr>
<tr><td>CoachRejectionCode</td><td>UINT16</td><td>
<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
<tr><td>1</td><td>Old</td><td>Old</td></tr>
<tr><td>2</td><td>duplicate</td><td>duplicate</td></tr>
<tr><td>3</td><td>CRCBad</td><td>CRC bad</td></tr>
</table>
</td></tr>
<tr><td>CommErrorCode</td><td>UINT16</td><td>Communications error code

<table>
<tr><th colspan="2">Numeric Type, Range: 0-65535</th></tr>
<tr><th>Action</th><th>Value</th></tr>
<tr><td>Multiplier</td><td>1</td></tr>
<tr><td>Adder</td><td>0</td></tr>
</table>
</td></tr>
<tr><td>ConfigCurrentDir1</td><td>UINT16</td><td>Current Config Direction1

<table>
<tr><th colspan="3">Enumeration</th></tr>
<tr><th>Binary</th><th>Value</th><th>Descripion</th></tr>
</table>
</td></tr>
</table>

		1 XtoY X to Y 2 YtoX Y to X
connectID	UINT16	Connection ID **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
ConnectionID	UINT16	ConnectionID **Enumeration** **Binary** / **Value** / **Descripion** 0 CIDUndefined CID Undefined 1 CIDGeneral CID General 2 CIDIInternalDNP CID IInternal DNP 3 CIDCoach CID Coach 4 CIDRunner CID Runner 5 CIDContractAgt CID Contract Agent 6 CIDNetlistXfer CID Netlist Xfer 7 CIDCoraAlleyOop CID CoraAlley Oop 8 CIDIT2Events CID IT2 Events 9 CIDProtection CID Protection 10 CIDDATLoadMgmt CID DAT Load Mgmt 11 CIDCECSignal CID CEC Signal 12 CIDD1ag CID Diag 13 CIDRemoteXmit CID Remote Xmit 16 CIDNETObjMgmt CID NET Object Mgmt 17 CIDNETRunner0 CID NET Runner 0 18 CIDNETRunner1 CID NET Runner 1 19 CIDNETRunner2 CID NET Runner 2 20 CIDNETRunner3 CID NET Runner 3 21 CIDNETRunner4 CID NET Runner 4 22 CIDNETRunner5 CID NET Runner 5 23 CIDNETRunner6 CID NET Runner 6 24 CIDNETRunner7 CID NET Runner 7 25 CIDNETRunner8 CID NET Runner 8 26 CIDNETRunner9 CID NET Runner 9 27 CIDNETRunner10 CID NET Runner 10 28 CIDNETRunner11 CID NET Runner 11 29 CIDNETRunner12 CID NET Runner 12 30 CIDNETRunner13 CID NET Runner 13 31 CIDNETRunner14 CID NET Runner 14 32 CIDNETRunner15 CID NET Runner 15
ContractState	UINT16	Contract State.

		Enumeration **Binary** / **Value** / **Descripion** 1 / CActive / Contract state active 2 / CReqPend / Contract state request pending 3 / CReqUnsent / Contract state request unsent 4 / CReqTrav / Contract state request traveling 5 / CReqAccept / Contract state request accpected 6 / CReqDecline / Contract state request declined 7 / CReqDeclContd / Contract state request decline continuing 8 / CDslveStart / Contract state dissolve start 9 / CDslveContd / Contract state dissolve continue 10 / CMaintStart / Contract state maintenance start 11 / CMaintTickl / Contract state maintenance tickle 12 / CMaintTrav / Contract state maintenance travel 13 / CMTravNoFind / Contract state maintenance travel not found 14 / CMTrRetNoFnd / Contract state maint travel return not found 15 / CMTicklNoFind / Contract state maintenance tickle not found 16 / CMTiRetNoFnd / Contract state maint tickle return not found 17 / CMaintReact / Contract state maintenance reactivate contract 18 / CMNoReact / Contract state maint don't reactivate here - but continue 19 / CChk2ndFld / Contract state request - check 2nd field
CurrentDirDetectionMethod	UINT16	Current Direction Detection Method **Enumeration** **Binary** / **Value** / **Descripion** 0 / None / None 1 / StatusPoint / Status Point 2 / CurrentPolarity / Current Polarity
DataLength	UINT16	Length of the data **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
DATARNR	UINT16	Data runnes working within the time limits **Enumeration** **Binary** / **Value** / **Descripion** 1 / NETXDATRNR / Runners are working within timeouts when set
dctsiz	UINT16	Data Length **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1

		Adder: 0
DestinationIndex	UINT16	Destination Index **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
DestNodeID	UINT16	NET Destination Node ID **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
dev	UINT16	Device Type, either a substation or not a substation **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
DeviceIndex	UINT16	local device number of the FN Runner Source Device **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
DeviceNumber	UINT16	Working runner source list in the Runner Source Control **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
DeviceWirepairs	UINT16	Number of Device-Wire pairs from prep function **Numeric Type, Range: 0-65535** Action: Value Multiplier: 1 Adder: 0
DiagTestType	UINT16	Type of diagnostic test **Enumeration** Binary: Value: Descripion 0: Scheduled: Scheduled 1: Quick: Quick
Direction	UINT16	**Enumeration** Binary: Value: Descripion 1: Forward: Forward

		2 | Reverse | Reverse
DivBy10	UINT16	Divide by 10 **Numeric Type, Range: 0-65535** **Action** | **Value** Multiplier | 0.1 Adder | 0
DNPAddress	UINT16	Values represented in hexadecimal code **Numeric Type, Range: 1-65519** **Action** | **Value** Multiplier | 1 Adder | 0 **Presentation** **Binary** | **{0:X2}**
DNPAppControl	UINT16	DNP application control byte **Numeric Type, Range: 0-255** **Action** | **Value** Multiplier | 1 Adder | 0
DNPAppFunctionCode	UINT16	DNP Application Function Code **Numeric Type, Range: 0-255** **Action** | **Value** Multiplier | 1 Adder | 0
DNPDLAction	UINT16	**Enumeration** **Binary** | **Value** | **Descripion** 1 | RecReinit | record reinit 2 | ResetSeqOnly | reset seq num only 3 | NewPeer | new peer added
DNPObjectType	UINT16	DNP Object Type **Numeric Type, Range: 0-255** **Action** | **Value** Multiplier | 1 Adder | 0
DNPObjectVariation	UINT16	DNP Object Variation **Numeric Type, Range: 0-255** **Action** | **Value** Multiplier | 1 Adder | 0
DNPOutputBlockStatusCode	UINT16	DNP Output Block Status Code

		Numeric Type, Range: 0-255 **Action** / **Value** Multiplier: 1 Adder: 0
DNPPointCode	UINT16	Internal DNP point code **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
DNPPointType	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / Binary / binary 2 / Analog / analog 3 / Counter / counter
DNPTranspFunctionCode	UINT16	DNP transport function code **Numeric Type, Range: 0-255** **Action** / **Value** Multiplier: 1 Adder: 0
DNPTransportHeader	UINT16	DNP transport header byte **Numeric Type, Range: 0-255** **Action** / **Value** Multiplier: 1 Adder: 0
EntryPointDevice	UINT16	Indication that this control is the Entry Point Device **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
ErrorCodeNETX	UINT16	Error code for the Netx system **Enumeration** **Binary** / **Value** / **Descripion** 0 / NETX_SUCCESS / Netx is successful 32 / NETX_BAD_VER / Netx has a bad version 64 / NETX_NO_NETVW / Netx has no Net view 128 / NETX_NO_RTU / No RTU was found for NETX 256 / NETX_BAD_NETVW / Netx has a bad Net view 512 / NETX_OBJ_FAIL / Netx object has failed 1024 / NETX_FAIL / Netx has failed 2048 / NETX_OBJ_QUED / Netx object has been qued

		4096 NETX_NOT_RSD Netx has not RSD 8192 NETX_BAD_CRC Netx has a bad CRC 16384 NETX_NOTACTV Netx is not active
EVTboolean	UINT16	**Enumeration** **Binary / Value / Descripion** 0 / false / false 1 / true / true
ExcessLoad	UINT16	**Enumeration** **Binary / Value / Descripion** 0 / ExcessLoad / Excess Load
ExpressNetViewRow	UINT16	Number of entries in row, one for device,one for wire **Numeric Type, Range: 0-65535** **Action / Value** Multiplier / 1 Adder / 0
FaultDirection	UINT16	Fault Direction Reported to IntelliTeam **Enumeration** **Binary / Value / Descripion** 131 / Direction1 / Direction 1 132 / Direction2 / Direction 2 255 / Unknown / Unknown
FeederNetCRC	UINT16	CRC of this Feeder Net **Numeric Type, Range: 0-65535** **Action / Value** Multiplier / 1 Adder / 0
FeederNetID	UINT16	Feeder Net ID **Numeric Type, Range: 0-65535** **Action / Value** Multiplier / 1 Adder / 0
FeederNetIndex	UINT16	Feeder Net Index **Numeric Type, Range: 0-65535** **Action / Value** Multiplier / 1 Adder / 0
FeederNetObjectFlags	UINT16	Incoming Feeder Net Flages from ITD **Numeric Type, Range: 0-65535** **Action / Value**

		Multiplier: 1 Adder: 0
FeederNetObjType	UINT16	Type of netlist distribution **Numeric Type, Range: 0-65535** Multiplier: 1 Adder: 0
FixQuality	UINT16	**Enumeration** 0 NoSignal No Signal 1 GPS GPS 2 DGPS DGPS 3 PPS PPS 4 RealTmKinematic Real Time Kinematic 5 FloatRTK Float RTK 6 Estimated Estimated 7 MnlInputMode Manual Input Mode 8 SimulatMode Simulation Mode
FreqTrip	UINT16	**Enumeration** 0 NoTrip No Trip 1 FreqTrip Freq Trip 2 NA Not Applicable 255 NotProgrammed Not Programmed
GPSStatus	UINT16	**Enumeration** 0 TimePosOK Time Position OK 1 TPosOKPendStab Time Position OK Pending Stability 2 TPosOKNoPulse Time Position OK No Pulse Signal 3 TimePosInvalid Time Position Invalid 4 DInvalidSLineOdd Data Invalid Serial Line Anomaly 5 DInvalidSLineErr Data Invalid Serial Line Error 6 DInvalidSLineSil Data Invalid Serial Line Silence 7 DisabledByUser Disabled By User 255 NotInitialized Not Initialized
HealingType	UINT16	**Enumeration** 1 ITII IT-II 2 RSH RSH
Hexushort	UINT16	Values represented in hexadecimal code **Numeric Type, Range: 0-65535** **Action** **Value**

		Multiplier: 1 Adder: 0 **Presentation** **Binary** {0:X2}
HLT	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / HLTInactive / HLT Inactive 1 / HLTActive / HLT Active
INCNUMTEAM	UINT16	FEEDERNET incoming team array number of teams **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
IndexMngTable	UINT16	Find this node in the NLTA arrays **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
Instance	UINT16	Instance: The value is used for debugging purposes and does not yield any benefit **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
InternalCode	UINT16	Internal code for troubleshooting. **Enumeration** **Binary** / **Value** / **Descripion** 1 / CCircRsrcOK / Contract circuit resources are adequate 2 / CLineSegReqHi / Contract line segment request above limit 3 / CLoadCapReqHi / Contract load capacity request above limit 4 / SrcSubSwVloss / SourceSub Switch has detected voltage loss
LineSegLimit	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / LineSegLimit / Line Seg Limit
LoadingCurrent	UINT16	1 amperes per count **Numeric Type, Range: 0-655350** **Action** / **Value** Multiplier: 1 Adder: 0
LOGDiagType	UINT16	**Enumeration** **Binary** / **Value** / **Descripion**

		1 Alarm Alarm 2 Warning Warning 4 Error Error
ManualOp	UINT16	**Enumeration** **Binary** **Value** **Descripion** 0 ManOpInactive Man Op Inactive 1 ManOpActive Man Op Active
MapNumber	UINT16	**Enumeration** **Binary** **Value** **Descripion** 0 BinaryInput binary input 1 AnalogInput analog input 2 Counter counter 3 Control control 4 AnalogOutput analog output 5 DblBinaryInput double binary output
Master	UINT16	**Enumeration** **Binary** **Value** **Descripion** 1 Master1 Master 1 2 Master2 Master 2 3 Master3 Master 3 4 Master4 Master 4 5 Master5 Master 5 6 Master6 Master 6 255 NoMaster No Master
MasterRecAddError	UINT16	**Enumeration** **Binary** **Value** **Descripion** 0 Good good 1 Error error 2 AlrdyInList already in list 3 ListFull list full 4 NotOnList not on list
MaxPeersWhen	UINT16	Max Peers Occur During This **Enumeration** **Binary** **Value** **Descripion** 0 WhenTestInit WhenTestInit 1 WhenTestStats WhenTestStats
MemberWithDoneAndEOL	UINT16	**Enumeration** **Binary** **Value** **Descripion** 1 Member1 Member 1 2 Member2 Member 2 3 Member3 Member 3 4 Member4 Member 4

		5 Member5 Member 5 6 Member6 Member 6 7 Member7 Member 7 8 Member8 Member 8 254 EndofList EndofList 256 Done Done
MoreThanOneDiffFound	UINT16	**Enumeration** **Binary / Value / Descripion** 0 OneDiffFound Only OneDiff Found 1 TwoOrMoreDiffs Two Or More Diffs
netfragID	UINT16	Net Fragment ID **Numeric Type, Range: 0-65535** **Action / Value** Multiplier 1 Adder 0
NETLISTRNR	UINT16	Number of NETLIST runners in RunnerSource **Numeric Type, Range: 0-65535** **Action / Value** Multiplier 1 Adder 0
netobuffFree	UINT16	Cumulative free buffer space **Numeric Type, Range: 0-65535** **Action / Value** Multiplier 1 Adder 0
NETSTE	UINT16	Net state E **Enumeration** **Binary / Value / Descripion** 1 BACKIDLE Go back to idle 8 RESENDRNR Go re-send the runner objects since some failed 4 WAITRT Go wait for returns
NetViewAnalyzer	UINT16	**Enumeration** **Binary / Value / Descripion** 0 NETVIEWNOTVALID Net view is not valid 2 NETVIEWVALID Net view is valid
NETViewLength	UINT16	The Normal State NetView Length of each row table **Numeric Type, Range: 0-65535** **Action / Value** Multiplier 1 Adder 0

NetViewRowNum	UINT16	Runner source row number in nnet **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NETVSRC	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / NETVSRC_NORMAL / NETV source is normal 2 / NETVSRC_ALTERNATE / NETV source is alternate 3 / NETVFDR_NOTNORMAL / NETV source is not normal 255 / NETVSRC_UNDEFINED / NETV source is undefined
NodeCount	UINT16	Number of appearnaces in this runner **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NodeIndex	UINT16	Our position in the Node Index table **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
Nodelists	UINT16	Runner node lists **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NoMaster	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / MasterExists / MasterExists 1 / NoMaster / No Master
NoPeersWhen	UINT16	Max Peers Occur During This **Enumeration** **Binary** / **Value** / **Descripion** 0 / SchedTest / SchedTest 1 / QuickTest / QuickTest 2 / KeepAlive / KeepAlive 3 / KwikKeepAlive / KwikKeepAlive
nsngl	UINT16	number of device connections present, counter, list len **Numeric Type, Range: 0-65535**

		Action / **Value** Multiplier / 1 Adder / 0
nt	UINT16	Number of team records **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumDataElements	UINT16	Actual number of data elements in DLV **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumDevicesinFN	UINT16	Number of devices in the Feeder Net **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumNodeID	UINT16	Number of Node IDs in the list **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumNodeIndex	UINT16	Number of indexes in the Node table **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumOfDevices	UINT16	Netview number of devices/switches in DivisionNet **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumOfPowSrc	UINT16	Number of power sources in DivisionNet **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumOfRows	UINT16	Net Present NetView number of rows in table for DivisionNet

		Numeric Type, Range: 0-65535 **Action** / **Value** Multiplier / 1 Adder / 0
NumOfTeams	UINT16	Number of teams **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumOfWirePairs	UINT16	Number of entries in the D-W (Device-Wire) tables **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumPaths	UINT16	Number of paths in this particular Feeder Net **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumPayLoad	UINT16	Quantity of associated payload elements **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
NumRunners	UINT16	Number of runners **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
ObjectLength	UINT16	**Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
ObjID	UINT16	Object ID **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
ObjState	UINT16	**Enumeration**

		Binary / **Value** / **Descripion** 0 / NETOBJSTATENONE / No net object state 1 / NETOBJSTATEREADY / Net object state is ready 2 / NETOBJSEBUFFERED / Net object state is buffered 3 / NETOBJSTATEACKEXEC / Net object state positive ack 4 / NETOBJNACKEXEC / Net object state negative ack 5 / NETOBJSTATEHOLD / Net object state is on hold 6 / NETOBJSTATESEND / Net object state sent 7 / NETOBJSENDWAIT / Net object state is waiting to be sent 8 / NETOBJSENDCONTINUE / Net object state is contiued to be sent 9 / NETOBJSTATEREMOVE / Net object state is removed 10 / NETOBJRECEIVED / Net object state is recieved 11 / NETOBJSENDDELAY / Net object state is delayed
OneHexByte	UINT16	Values represented in hexadecimal code **Numeric Type, Range: 0-255** **Action** / **Value** Multiplier / 1 Adder / 0 **Presentation** **Binary** / **{0:X2}**
Phase	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / OnePhase / OnePhase 3 / ThreePhase / ThreePhase
Point	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / PtToOpIR / Point to operate IR 2 / PtToBlkRecl / Point to block reclosing 3 / PtToBlkGTrip / Point to block ground trip 4 / PtToChgProf / Point to change profile
PortCode	UINT16	Communication port code. **Enumeration** **Binary** / **Value** / **Descripion** 0 / UDP / UDP 1 / PortA / portA 2 / PortB / portB 3 / PortC / portC 4 / PortD / portD 6 / TCPV6 / TCP Virtual Port 6 7 / TCPV7 / TCP Virtual Port 7 8 / TCPV8 / TCP Virtual Port 8 9 / TCPV9 / TCP Virtual Port 9

10	TCPV10	TCP Virtual Port 10
11	TCPV11	TCP Virtual Port 11
12	TCPV12	TCP Virtual Port 12
13	TCPV13	TCP Virtual Port 13
14	TCPV14	TCP Virtual Port 14
15	TCPV15	TCP Virtual Port 15
16	TCPV16	TCP Virtual Port 16
17	TCPV17	TCP Virtual Port 17
18	TCPV18	TCP Virtual Port 18
19	TCPV19	TCP Virtual Port 19
20	TCPV20	TCP Virtual Port 20
21	TCPV21	TCP Virtual Port 21
22	TCPV22	TCP Virtual Port 22
23	TCPV23	TCP Virtual Port 23
24	TCPV24	TCP Virtual Port 24
25	TCPV25	TCP Virtual Port 25
26	TCPV26	TCP Virtual Port 26
27	TCPV27	TCP Virtual Port 27
28	TCPV28	TCP Virtual Port 28
29	TCPV29	TCP Virtual Port 29
30	TCPV30	TCP Virtual Port 30
31	TCPV31	TCP Virtual Port 31
32	TCPV32	TCP Virtual Port 32
33	TCPV33	TCP Virtual Port 33
34	TCPV34	TCP Virtual Port 34
35	TCPV35	TCP Virtual Port 35
36	TCPV36	TCP Virtual Port 36
37	TCPV37	TCP Virtual Port 37
38	TCPV38	TCP Virtual Port 38
255	Undefined	Undefined
20000	P20000	20000
20001	P20001	20001

PRReason	UINT16

Enumeration		
Binary	**Value**	**Descripion**
1	UnderFrequency	Under Frequency
2	HotLineTag	Hot Line Tag
3	ManualOperation	Manual Operation
4	LocalCommand	Local Command
5	AuxInput	Aux Input
6	StateMismatch	State Mismatch
7	SCADAMaster	SCADA Master

RegistrationStatus	UINT16

Enumeration		
Binary	**Value**	**Descripion**
0	DNPRETURNGOOD	DNP return is good

		1 DNPRETURNERROR DNP return error 2 DNPRTNERRONLIST DNP return error already on the list 3 DNPRTNERRLISTFULL DNP return error is full 4 DNPRTNOTONLIST DNP return error not on list 5 DNPRTNERRNOTP2P DNP return error not P2P 6 DNPRTNDELAY DNP return delayed before retry 7 DNPRTNACTIVEPOINT DNP return active on point 8 DNPRETURNCOMPLETE DNP return is complete 9 DNPRTNINPROGRESS DNP return in progress 10 DNPRRNNOTAMASTER DNP return not a master
RestoreConditionTestResult	UINT16	**Enumeration** **Binary / Value / Descripion** 0 NoResult NO RESULT 1 CloseSwOK CLOSE SW OK 2 Isolated ISOLATED 3 ExcessLoad EXCESSIVE LOAD 4 CloseOnly CLOSE ONLY 5 OpenOnly OPEN ONLY 6 LineSegLimit LINE SEGMENT LIMIT 7 NbrProblem NEIGHBOR ERROR 8 PhaseLoss PHASE LOSS 9 SrcBrkIsol SRC BREAK ISOLATED 10 LoadShed LOAD SHED 11 Short2Srces SHORT TWO SOURCES 100 CoordProblem COORD ERROR 101 PrevBadV PREV BAD VOLT
RouteEntryError	UINT16	**Enumeration** **Binary / Value / Descripion** 1 BadBdCastAdr broadcast addresses invalid in routing tables; 2 IPPortNoMutx IP address and port indication must be mutually exclusive.
RSD	UINT16	Runner Source Device **Numeric Type, Range: 0-65535** **Action / Value** Multiplier 1 Adder 0
RTLFromSCADAPR	UINT16	**Enumeration** **Binary / Value / Descripion** 0 RTLDisabBySCADAPR Disabled 1 RTLEnabBySCADAPR Enabled 2 NA Not Applicable
RTUAddress	UINT16	DNP address

		Numeric Type, Range: 0-65535 **Action** / **Value** Multiplier: 1 Adder: 0
RTUlists	UINT16	Runner RTU lists **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
RunnerIndex	UINT16	Local runner index number **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
RunnerNumber	UINT16	Runner Number **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
RunnerQuantity	UINT16	Next data collection runner's quantity **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
RunnerSize	UINT16	Size of recieved runner in BYTES **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier: 1 Adder: 0
RunnerType	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / NETOBJTYPEUNDEF / NetObject type is undefined 1 / NETOBJTYPEACKMESG / NetObject type acknowldege message 2 / NETOBJTYPENACKMESG / NetObject type not acknowledging message 3 / NETOBJTYPENETLIST / NetObject type net list 4 / NETOBJTYPERAWPUSH / NetObject type raw push 16 / NETxCMMCKRSP / ITD Communications check runner with routing 19 / NETxNLRQST / Request a copy of the present Primary Netlist

		21 NETxNPRIRSP Existing Primary Netlist Response to rqst 22 NETxACTPNL Activate Primary Netlist After Delay 23 NETxNADJNLD New Adjacent Netlist delivery 24 NETxDATCLCT Data Collect Runner 25 NETxDATDLV Data Block delivery runner 27 NETxADJNLRPT Tie delivers an adjacent NL to a Runner Source for delivery 28 NETxADJDBRPT Tie delivers an adjacent DB to a Runner Source for delivery 29 NETxADJDBDLV Runner Source delivers an adjacent Data Block to FN 30 NETxPEERCHK ITD Peer check runner with routing 160 NETxNETLRPT Active Netlist reporter
SBOTimerValue	UINT16	Timer value for Select-Before-Operate. Unit = 0.1 sec. **Numeric Type, Range: 0-6553.5** Action: Multiplier; Value: 0.1 Action: Adder; Value: 0
SideInfo	UINT16	**Enumeration** Binary 0: Value SIDEUNKOWN: Side information is unkown Binary 1: Value SIDE1: This team member is on side 1 of the switch Binary 2: Value SIDE2: This team member is on side of the switch
SizeOfObject	UINT16	Size of the arriving object in bytes, also a flag/signal of arrival to State machine A **Numeric Type, Range: 0-65535** Action: Multiplier; Value: 1 Action: Adder; Value: 0
SrcNodeID	UINT16	NET Source Node ID **Numeric Type, Range: 0-65535** Action: Multiplier; Value: 1 Action: Adder; Value: 0
State	UINT16	State of the transition **Enumeration** Binary 1: Value TransON: Transition to On Binary 2: Value TransOFF: Transition to Off
StatusFeedbackArea	UINT16	Netx status feedback area, Data 1 is current state while Data 2 is the previous state **Numeric Type, Range: 0-65536**

		Action / **Value** Multiplier / 1 Adder / 0
Substation	UINT16	Present Substation **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
SUMSessionEndReason	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / DeviceStartup / Device Startup 1 / Logoff / Logoff 2 / Timeout / Timeout 3 / Preempted / Preempted
SwitchNum	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / Switch1 / Switch 1 2 / Switch2 / Switch 2 3 / Switch3 / Switch 3
SwitchOperationResult	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / SOKNoRes / SW OK (no result yet) 1 / ClsVerif / SW CLOSE VERIFIED 2 / ClVerErr / SW CLOSE VERIFY FAIL 3 / ClVerErrTr / SW CLOSE VERIFY FAIL TRIP 4 / BadSwNum / BAD SW NUM 5 / SwNotAuto / SW NOT AUTO 6 / SBadDir / SW BAD DIRECTION 7 / SwWasCls / SW WAS CLOSED 8 / OpnVerif / SW OPEN VERIFIED 9 / OpnVerErr / SW OPEN VERIFY FAIL 10 / OpnXcesLd / SW OPEN EXCESS LOAD 11 / SwWasOpn / SW WAS OPEN 12 / CmdVerif / COMMAND VERIFIED 13 / CmdRedun / COMMAND REDUNDANT 14 / CmdVerErr / COMMAND VERIFY FAIL 15 / BadCtlPt / BAD CTRL PT 16 / ClsErrV / SW CLOSE FAIL VOLT
SwitchPosition	UINT16	Switch position **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1

		Adder: 0
SwitchRecord	UINT16	**Numeric Type, Range: 0-8** Multiplier: 1 Adder: 0
SwitchState	UINT16	Switch State **Enumeration** 0 – DATUSWSTAT_UNKOWN – Switch State is unknown 1 – DATUSWSTAT_CLOSED – Switch State is closed 2 – DATUSWSTAT_OPEN – Switch State is open 3 – DATUSWSTAT_TRANS – Switch State is in transition 4 – DATUSWSTAT_UNDEF – Switch State is undefined
SWnum	UINT16	**Enumeration** 0 – SW1 – SW1 1 – SW2 – SW2 2 – SW3 – SW3
SWPos	UINT16	**Enumeration** 1 – SW1 – SW1 2 – SW2 – SW2 3 – SW3 – SW3 4 – SW4 – SW4 5 – SW5 – SW5 6 – SW6 – SW6 7 – SW7 – SW7 8 – SW8 – SW8
syncstat	UINT16	**Enumeration** 0 – DATASYNCHSUCCESS – Operation was successful 1 – DATSYNCHBADSTATE – Present States of Local Switches do not match Normal states 2 – DATSYNCHNOTQUIET – IntelliTEAM is not 'quiet' (in the process of transferring) 3 – DATSYNCHNETBADDATA – Netlist data is somehow invalid (e.g. no local teams) 4 – DATSYNCHNINPROCESS – Presently processing a new netlist 5 – DATSYNCHNORTUADDR – Device is not configured with an RTU address
SystemVoltage	UINT16	**Enumeration** 1 – V69000 – 69000

		2 V46000 46000 3 V44000 44000 4 V40600 40600 5 V36000 36000 6 V34500 34500 7 V27600 27600 8 V26400 26400 9 V24900 24900 10 V23900 23900 11 V22900 22900 12 V20800 20800 13 V14400 14400 14 V13800 13800 15 V13200 13200 16 V12470 12470 17 V12000 12000 18 V8320 8320 19 V7200 7200 20 V4800 4800 21 V4160 4160 22 V33000 33000 23 V22000 22000 24 V20000 20000 25 V11000 11000 26 V10000 10000
Task	UINT16	**Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
TCPPortActiveState	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / Undefined / Undefined 1 / Unused / Unused 2 / Active / Active 3 / Connect / Connect 4 / Disconnect / Disconnect 5 / Reconnect / Reconnect 6 / Error / Error 7 / Blocking / Blocking 8 / KpAliveSend / Send Keep Alive
TCPPortConnectState	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / Removed / Removed

		2 Disconnecting Disconnecting 3 Connecting Connecting 4 Changed Changed 5 Badstate Bad state 6 KpAliveSent Keep Alive Sent 7 KpAliveBad Keep Alive Bad
Team	UINT16	Team number **Numeric Type, Range: 1-8** **Action** / **Value** Multiplier: 1 Adder: 0
TeamNumber	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 Team1 Team 1 2 Team2 Team 2 3 Team3 Team 3 4 Team4 Team 4 5 Team5 Team 5 6 Team6 Team 6 7 Team7 Team 7 8 Team8 Team 8
TeamNumberWithUnknown	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 DirUnknown Dir Unknown 1 Team1 Team 1 2 Team2 Team 2 3 Team3 Team 3 4 Team4 Team 4 5 Team5 Team 5 6 Team6 Team 6 7 Team7 Team 7 8 Team8 Team 8 9 TeamIsVirtual Team is virtual
TeamRecord	UINT16	Team record **Numeric Type, Range: 0-8** **Action** / **Value** Multiplier: 1 Adder: 0
TeamWithDone	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 Member1 Member 1 2 Member2 Member 2

		3 Member3 Member 3 4 Member4 Member 4 5 Member5 Member 5 6 Member6 Member 6 7 Member7 Member 7 8 Member8 Member 8 256 Done Done
TimeSource	UINT16	**Enumeration** **Binary / Value / Descripion** 1 / MCUInternal / MCU internal oscillator 2 / RTC / MCU RTC 3 / GPS / MCU GPS
totallen	UINT16	Total Length **Numeric Type, Range: 0-65535** **Action / Value** Multiplier / 1 Adder / 0
TransferState	UINT16	**Enumeration** **Binary / Value / Descripion** 0 IDLE IDLE 1 INIT INIT 2 RQST RQST 3 GRNT GRNT 4 RTN0 RTN0 5 RTN1 RTN1 6 RTN2 RTN2 7 RTN3 RTN3 8 WAIT WAIT 9 STOP STOP 10 FAULT FAULT 11 HOLD HOLD 12 CORA CORA 13 PLI PLI 14 PLIDONE PLIDONE 15 PLIWAIT PLIWAIT 16 PLIWAIT2 PLIWAIT2 255 UNDEF UNDEF
URBEStatus	UINT16	**Enumeration** **Binary / Value / Descripion** 1 Enabled Enabled 0 Disabled Disabled
ushort	UINT16	UINT16

		Numeric Type, Range: 0-65535 **Action** / **Value** Multiplier / 1 Adder / 0
VAddr16	UINT16	16-bit virtual memory address **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
VMAccessAction	UINT16	VM Access Action **Enumeration** **Binary** / **Value** / **Descripion** 0 / ReadSpcl / ReadSpcl 1 / Read / Read 2 / Read1 / Read 3 / Write / Write 4 / Write1 / Write 5 / WriteSpcl / WriteSpcl
VMFunctionCode	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / Read / read 2 / Write / write
VMIndex	UINT16	VM table index for this FeederNetID **Numeric Type, Range: 0-65535** **Action** / **Value** Multiplier / 1 Adder / 0
XferInactiveReason	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 1 / XferDecline / Xfer Decline 2 / XferSuccess / Xfer Success 3 / XferStopped / Xfer Stopped 4 / TimerExpired / Timer Expired
xmtresultcode	UINT16	**Enumeration** **Binary** / **Value** / **Descripion** 0 / NETRETURNSUCCESS / NET return is successful 1 / NETRETURNERROR / NET return has an error

Table 3. Historic Events (851 items)

Event Code (hex)	Event Code (dec)	Description	Category	Logging Level	Definition
0100	256	Sw Opened on Extended PL or VL	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0101	257	Open on Extended PL or VL Failed	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0102	258	Switch Position Close Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0103	259	Any Phase Voltage Loss Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0104	260	Any Phase OverCurrent Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0105	261	Tripped to Lockout Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0106	262	Reclosing Mismatch Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0107	263	Ground Trip Mismatch Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0108	264	Protection Settings-Mapped Pts OK	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

0109	265	Prot Settings-Mapped Pts Mismatch	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010A	266	Profile Mismatch Error	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010B	267	Recloser/Relay is in Reset State	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010C	268	Frequency Trip Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010D	269	Recloser/Relay is fault cycling	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010E	270	Any Phase Voltage Loss Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
010F	271	Switch Position Open Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0110	272	Any Phase OverCurrent Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: FaultDirection Data 3:Debug Data Data3 Type: ConfigCurrentDir1 Data 4:Debug Data Data4 Type: CurrentDirDetectionMethod
0111	273	Data Poll Sent to Ext. Device	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0112	274	Ext VL/PL qual-Sw already open	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0113	275	Tripped to Lockout Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0114	276	Correct Profile Enabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0115	277	Reclosing Mismatch Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0116	278	Ground Trip Mismatch Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0117	279	Hot Line Tag Inactive	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0118	280	Automatic Operation Enabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0119	281	SCADA Ctrl Point Operation Req.	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
011A	282	Ctrl Point Operation Successful	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
011B	283	Ctrl Operation Retries Failed	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

011C	284	Ctrl Point Operation Retry	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
011D	285	Control Point Operation Req.	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
011E	286	Response Timeout from E.D.	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
011F	287	DNP Appl. Layer Timeout	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0120	288	Device Data Updates Enabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0121	289	Device Data Updates Disabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0122	290	Remote Mode Enabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0123	291	Remote Mode Disabled	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0124	292	Hot Line Tag Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0125	293	Frequency Trip Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0126	294	Recloser Blocked Timer Expired	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0127	295	Recloser/Relay not in Reset State	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0128	296	Fault Cycling State Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0129	297	Data Received from Device	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
012A	298	ITeam disabd Extended PL/VLoss	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
012B	299	ITeam enabled Extended PL/VLoss	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
012C	300	Communication to E.D. Lost	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
012D	301	Communication Lost to E.D. Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
012E	302	Communication to E.D. Stopped	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

012F	303	Communication to E.D. Running	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0130	304	E.D. Trouble Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0131	305	E.D. Trouble Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0132	306	Single Phase VLoss Trip Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0133	307	Single Phase VLoss Trip Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0134	308	Three Phase VLoss Trip Active	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0135	309	Three Phase VLoss Trip Cleared	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0136	310	Ph/VLoss Bin Change Event Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0137	311	Fault Curr Bin Change Evt Detected	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0138	312	SCADA Analog Output Request	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0139	313	E.D. Switch Contacts Bad	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013A	314	E.D. Switch Contacts OK	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013B	315	Unable to Register Peer	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013C	316	Prohib Restor. Sent to Remote Dev	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013D	317	Unqualif. SW State Chge Timer Start	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013E	318	E.D. Polled Data Bad	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
013F	319	E.D. Polled Data OK	UIM[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0140	320	Instant Replay Status Update	UIM[MCU]	Normal	Data 1:Switch State Data1 Type: ushort Data 2:OC Status Data2 Type: ushort Data 3:VL Status Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0141	321	Switch 1 not in normal state active	DAT[MCU]	All	Switch 1 not in normal state active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

0142	322	SW 1 not in normal state inactive	DAT[MCU]	All	Switch 1 not in normal state inactive Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0143	323	Average Load Reset	DAT[MCU]	All	Average Load Reset Data 1: **AverageLoad** Data1 Type: AverageLoad Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0144	324	Bus One Shot Lockout	DAT[MCU]	All	Bus one shot lockout Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0145	325	Bus One Shot Active	DAT[MCU]	All	Bus one shot active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0146	326	Bus One Shot Lock Out Cleared	DAT[MCU]	All	Bus one shot lock out cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0147	327	Bus One Shot Cleared	DAT[MCU]	All	Bus one shot lock cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0148	328	Normal Dir Current Flow On	DAT[MCU]	All	Normal Dir Active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0149	329	Normal Dir Current Flow Off	DAT[MCU]	All	Normal Dir Cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
014A	330	Reverse Dir Current Flow On	DAT[MCU]	All	Reverse Dir Active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
014B	331	Reverse Dir Current Flow Off	DAT[MCU]	All	Reverse Dir Cleared Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
014C	332	Current Dir Mismatch Active	DAT[MCU]	All	Current Dir Mismatch Active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
014D	333	Current Dir Mismatch Cleared	DAT[MCU]	All	Current Dir Mismatch Cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
014E	334	RTL Xmit Blocked	IIM[MCU]	All	Data 1:Debug Data Data1 Type: ManualOp Data 2:Debug Data Data2 Type: HLT Data 3:Debug Data Data3 Type: FreqTrip Data 4:Debug Data Data4 Type: NoMaster
014F	335	PR Cleared After HLT Removal	IIM[MCU]	All	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0150	336	PR Unable to Clear After HLT Removal	IIM[MCU]	All	Data 1:Debug Data Data1 Type: ClearPRonHLTRem Data 2:Debug Data Data2 Type: RTLFromSCADAPR Data 3:Debug Data Data3 Type: FreqTrip Data 4:Debug Data Data4 Type: ushort
0151	337	System Voltage Unrecognized Active	IIM[MCU]	All	System Voltage Unrecognized Active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0152	338	System Voltage Unrecognized Inactive	IIM[MCU]	All	System Voltage Unrecognized Inactive Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0153	339	IIM Trip to LO Cleared	IIM[MCU]	All	IIM Trip to LO Cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0154	340	IIM Trip to LO Set	IIM[MCU]	All	IIM Trip to LO Set Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

0155	341	Fault Direction Inconsistent	IIM[MCU]	All	Fault Direction Inconsistent Data 1:Debug Data Data1 Type: Hexushort Data 2:Debug Data Data2 Type: Hexushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0201	513	Event Register OK	DAT[MCU]	Normal	The task indicated has enabled event registering for the specified team. The registering of an event is the process of making all team members aware that an event has occurred. Data 1: **Team** Data1 Type: Team Data 2: **Task** Data2 Type: Task Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0202	514	Error Getting Internal IR Data	DAT[MCU]	Normal	An error was detected when the IntelliTEAM II software collected data related to the internal switch function. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0203	515	Error Getting Local IR Data	DAT[MCU]	Normal	An error was detected when the IntelliTEAM II software retrieved data for the local switch in the specified team. This may occur if the switch/position number configured on the SETUP: Team screen is incorrect. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0204	516	Error Writing Coach Task-List Full	DAT[MCU]	Normal	The list of pending tasks that the coach carries between team members is full in the specified team. No more tasks can be put on this list until one or more of the existing tasks have been completed. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0205	517	Error Writing Event Task-List Full	DAT[MCU]	Normal	The list of pending team-related tasks is full in the specified team. No more tasks can be put on this list until one or more of the existing tasks have been completed. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0206	518	Error Writing Member Task-List Full	DAT[MCU]	Normal	The list of pending member-process tasks is full in the specified team. No more tasks can be put on this list until one or more of the existing tasks have been completed. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0207	519	Error Writing Comm Task-List	DAT[MCU]	Normal	The coach or the team member needs to send a new message to another team member and the DNP communications buffer is full.

		Full			Existing transactions must be completed before more are put on the communications list. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0208	520	Error Getting Comm Task From List	DAT[MCU]	Normal	An error was detected when removing a message from the DNP communications buffer. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0209	521	New Coach Generated	DAT[MCU]	Normal	A new coach has been generated at the local team member for the specified team. This could be caused by a power up state, by the existing coach being lost due to communications failure, or by the existing coach data being inconsistent. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020A	522	Coach Old - Duplicate or CRC Bad	DAT[MCU]	Extended	The coach received by the specified team is not the current coach - it is a duplicate of the current coach or it contains data inconsistent with the presently expected data. The coach is rejected. Data 1: **Team** Data1 Type: Team Data 2: **Coach Rejection Code** Data2 Type: CoachRejectionCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020B	523	Old or Duplicate Task Discarded	DAT[MCU]	All	The task taken from the event list on the specified team is either old or is a duplicate of an existing task. This occurs normally in the operation of the team as events are distributed throughout the team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020C	524	Switch Not Ready for Transfer	DAT[MCU]	Normal	The local IR on the specified team is not ready for transfer operations. This may be caused by an internal switch error (for example, a bad battery). Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020D	525	Unknown Event/Task Request	DAT[MCU]	Normal	An event or task for which the local team member is not programmed was requested within the specified team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020E	526	Find Alternate Source Result	DAT[MCU]	Normal	During a transfer event, the team must find an alternate source, based on the alternate source sequence and the normal function of the switches within the team (both entered on the SETUP: Team screen). This message indicates the resulting switch record, to be

					used for the team indicated. Data 1: **Team** Data1 Type: Team Data 2: **Rec** Data2 Type: MemberWithDoneAndEOL Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
020F	527	Register Event Disabled	DAT[MCU]	Normal	The registering of events for distribution within the specified team has been disabled at the local team member. This was probably caused by a change in the team's configuration on the SETUP: Team screen. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0210	528	Member Requested	DAT[MCU]	All	The specified team has requested that the local team member execute the task indicated. Data 1: **Team** Data1 Type: Team Data 2: **Task** Data2 Type: Task Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0211	529	Close Switch OK	DAT[MCU]	Normal	The switch/position indicated was successfully closed by the specified team. Data 1: **Team** Data1 Type: Team Data 2: **Switch Position** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0212	530	Switch Closing Issue	DAT[MCU]	Extended	The switch/position indicated failed to close or remain closed after a request by the specified team. Automatic operation may have been disabled at this team member, or the switch may have reopened during the shots-to-lockout time period. Data 1: **Team** Data1 Type: Team Data 2: **Switch position** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0213	531	Transfer Approved	DAT[MCU]	Normal	The transfer operation requested by the specified team, using the alternate source switch previously determined, was approved by the adjacent teams. The approval code is also shown. For details on the code, contact S&C. Data 1: **Team** Data1 Type: Team Data 2: **Restore Condition Test Result** Data2 Type: RestoreConditionTestResult Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0214	532	Transfer Declined	DAT[MCU]	Normal	The transfer operation requested by the specified team has been declined by the adjacent teams. The requesting team must look for another alternate source, or retry the operation on this alternate source if no other exists. Possible codes are: (code- definition) 2- Fault isolated, 3- Excessive load, 4- Open team not prepared for the transfer, 5- Closed team not prepared for the transfer, 6- Line segment limit exceeded, 7- Issue detected on one of the teams, 8- Phase loss isolated, 9- Source breaker isolated. Data 1: **Team** Data1 Type: Team

					Data 2: **Restore Condition Test Result** Data2 Type: RestoreConditionTestResult Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0215	533	Switch Open OK	DAT[MCU]	Normal	The specified team successfully opened the switch/position indicated. Data 1: **Team** Data1 Type: Team Data 2: **Switch Position** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0216	534	Switch Opening Unsuccesful	DAT[MCU]	Normal	The specified team was unable to open the switch/position indicated. Data 1: **Team** Data1 Type: Team Data 2: **Switch Position** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0217	535	Operation Switch Function Return	DAT[MCU]	Extended	This message displays the internal code returned during the operation of the local switch in the specified team. Contact S&C for code details, this code is application specific. Data 1: **Team** Data1 Type: Team Data 2: **Switch Operation Result Code** Data2 Type: SwitchOperationResult Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0218	536	Coach Arrived	DAT[MCU]	All	This message logs the arrival of the coach, along with all the updated data, at the local team member for the specified team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0219	537	Coach Has Departed	DAT[MCU]	All	This message logs the departure of the coach from the local team member for the specified team, and indicates where the coach is going next. Data 1: **Team** Data1 Type: Team Data 2: **Goto Rec** Data2 Type: TeamRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021A	538	Sequence Numbers Resynchronization	DAT[MCU]	Normal	The sequence numbers of events for the specified team have fallen out of synchronization. The last sequence number received is shown. The local team member will now resynchronize the number. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021B	539	Coach Arrived on Request	DAT[MCU]	All	This message logs the arrival of the coach at the local team member of the specified team after the local team member requested the coach. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021C	540	Volt/Fault Reset Occurred	DAT[MCU]	Extended	The voltage loss and overcurrent indications maintained by the IntelliTEAM II software have been reset after either the Sectionalizer Reset Time or, if a transfer event has occurred, after team reconfiguration is complete. Data 1: **Switch Position** Data1 Type: SwitchPosition Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021D	541	Coach is Held by Team Member	DAT[MCU]	All	The coach for the specified team is being held by the local team member. This occurs when a process is taking place at the local team member that requires the presence of coaches from both adjacent teams. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021E	542	Line Segment Faulted	DAT[MCU]	Normal	The line segment protected by the specified team is the location of the overcurrent fault on the circuit. The team will not attempt to restore service to this line segment. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
021F	543	IR Opened for Transfer	DAT[MCU]	Normal	During a transfer event, the coach of the specified team opened the switch indicated to allow the transfer operation to continue. This may occur when one or more switches within the team are not coordinated to open at the same time as the other switches. Data 1: **Team** Data1 Type: Team Data 2: **Rec** Data2 Type: SwitchRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0220	544	Return to Normal Start Event Req	DAT[MCU]	Normal	The Return to Normal timer has expired, allowing the Return to Normal process to start on the specified team. This message indicates that the specified team generated the event. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0221	545	Return To Normal Disabled at Switch	DAT[MCU]	Normal	The Return to Normal process will not be carried out on the specified team because Return to Normal is disabled on the SETUP: Team screen. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0222	546	Return to Normal Timer Started	DAT[MCU]	Normal	The Return to Normal timer was started by the local team member of the specified team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0223	547	Return to Normal Start Event Rcvd	DAT[MCU]	Normal	The local team member of the specified team received a request to start the Return to Normal process. This follows the end of the Return to Normal timer and the subsequent event request. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0224	548	Return to Normal Process Stopped	DAT[MCU]	Extended	The Return to Normal process completed at the local team member with the indicated completion code. For details on the code, contact S&C. Data 1: **Team** Data1 Type: Team Data 2: **Code** Data2 Type: InternalCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0225	549	Return to Normal Continue OK	DAT[MCU]	Normal	The internal Return to Normal process for the specified team indicated that Return to Normal may continue to the next step. The process result code is also shown. Data 1: **Team** Data1 Type: Team Data 2: **Code** Data2 Type: InternalCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0226	550	Task Travel	DAT[MCU]	All	During a Return to Normal process, tasks associated with the process travel among multiple teams between the normal source and the normal tie point of the circuit. This message traces the path of the tasks. Data 1: **from Team** Data1 Type: Team Data 2: **Team** Data2 Type: Team Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0227	551	Return to Normal Proc Unsuccessful	DAT[MCU]	Normal	The internal Return to Normal process for the specified team indicated that Return to Normal cannot continue. This may be caused by a team member that has Return to Normal disabled (Code 7), or by the adjacent source team not yet being in its normal state (Code 6). Data 1: **Team** Data1 Type: Team Data 2: **Code** Data2 Type: InternalCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0228	552	Config Update - Operation Suspended	DAT[MCU]	Normal	The team configuration of any of the active local teams is being changed on the SETUP: Team screen. While this change is in progress, team operation is suspended. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
022A	554	Internal Test Point	DAT[MCU]	Normal	A general internal message to display data that may be helpful during diagnostics. Please contact S&C if you see this message. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
022B	555	Coach Collect Data	DAT[MCU]	Extended	This message logs the collection of new data by the coach in the specified team. This data collection process occurs during the start of a transfer event. The team record where the coach is going is also shown. Data 1: **Team** Data1 Type: Team Data 2: **Goto Rec** Data2 Type: MemberWithDoneAndEOL Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
022C	556	Coach Hold Override	DAT[MCU]	All	When the team member of the specified team holds the coach for an extended period of time, an override occurs that allows the coach to briefly visit other team members. This prevents the coach from becoming old and regenerated by an adjacent team member. The team record where the coach is going is also shown. Data 1: **Team** Data1 Type: Team Data 2: **Goto Rec** Data2 Type: TeamRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
022D	557	Rebuilding Coach	DAT[MCU]	Normal	The coach for the specified team is being regenerated. This may be caused by a power up event, a configuration change in the team, or a lost coach due to communications failure. A diagnostic code is also shown, contact S&C for code details. Data 1: **Team** Data1 Type: Team Data 2:Task identifier Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0230	560	Team Not Ready - Discard Task	DAT[MCU]	All	The indicated task has been discarded because the specified team was not ready to transfer. This is typically the result of a local or team error condition. Data 1: **Team** Data1 Type: Team Data 2: **Task** Data2 Type: Task Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0231	561	SCADA Prohibit Restoration Active	DAT[MCU]	Normal	A SCADA command was received to prevent the restoration of any load by this team member (the switch may not close automatically), however protection is not affected. If applicable, this message will also be displayed on power up. Data 1:Debug Data Data1 Type: PRReason Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0232	562	Timer Prohibit Restoration Active	DAT[MCU]	Normal	The Prohibit Restoration Timer expired, preventing the restoration of load by the team for which the timer expired, however automatic sectionalizing is not affected. If applicable, this message will also be displayed on power-up. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0235	565	Team Communication	DAT[MCU]	Normal	A team-related message could not be delivered.

		Error			Data 1: **Team** Data1 Type: Team Data 2: **RTU** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0236	566	Monitor Line Segment	DAT[MCU]	All	The specified team has an indication to start a transfer event, but the line segment is still energized. The team monitors the segment until it is deenergized. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0238	568	Not All Configured Teams Xfer Ready	DAT[MCU]	Normal	At least one of the active teams where the local control is a member is not fully operational. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0239	569	Transfer in Progress on Any Team	DAT[MCU]	Normal	A team is in the process of reconfiguring the circuit and transferring load to an alternate source. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023A	570	RTN in Progress on Any Team	DAT[MCU]	Normal	A team is presently returning the circuit to its normal configuration. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023B	571	Adjust Line Segment Count	DAT[MCU]	Extended	Specified team has increased or decreased the line segment count associated with the Line Segment Limit set point, following a transfer event. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023C	572	Software Mismatch on Arriving Coach	DAT[MCU]	Normal	There is a software revision incompatibility within the team. The data fields show revision and version information for the team member from which the coach just arrived. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023D	573	Switch Open - Extended Parallel	DAT[MCU]	Normal	During a closed transition Return to Normal, the team member at a tie switch automatically opened the switch after a prescribed timeout. This insured that a circuit parallel was not left in place indefinitely. This condition is not normal, and may have resulted in load being dropped. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023E	574	Unexpected State Change	DAT[MCU]	Extended	The transfer state went through an unexpected transition at the specified team. This error might stop an ongoing transfer process. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
023F	575	Loading Data Reset	DAT[MCU]	Extended	When a transfer with a known load value occurs, the IntelliTEAM II software resets the loading data to reflect the new value. This updates the information more quickly than the 2-minute load averaging. The code relates to the state of the reset process. Data 1: **Team** Data1 Type: Team Data 2:Task identifier Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0240	576	Contract Receiver Busy	DAT[MCU]	Extended	A contract agent's receiver buffer was full, so a contract message was dropped. The numbers for the specified agent are associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3: **Agent** Data3 Type: Agent Data 4:Debug Data Data4 Type: ushort
0241	577	Contract Added to List	DAT[MCU]	All	A new contract was added to the list of contracts being maintained. This message shows both the requesting and granting teams associated with the transfer process. The requesting team (Team 1) identifies the origin of the contract. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Team Data3 Type: Team Data 4:Team Data4 Type: Team
0242	578	New Contract Addition Issue	DAT[MCU]	Extended	A contract agent tried to add a new contract to its list but could not, so the contract was declined. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0243	579	Contract Pending Issue	DAT[MCU]	Extended	The requesting contract agent was waiting for a response when the timer ran out, so it the contract was unsuccessful. The coach may restart the contract request if it cannot find another alternate source. This message shows the two teams involved with the transfer process at this team member location, where (Team 1) is the requesting team. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0244	580	Contract Request Was Declined	DAT[MCU]	Normal	The granting agent declined the contract request. The number for the specified agent is associated with the RTU address at the originating team member. Note that this message can appear at any agent with the contract on its list.

					Data 1: **Agent** Data1 Type: Agent Data 2:SwitchPosition Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0245	581	Contract General Error	DAT[MCU]	Extended	The specified contract agent detected a contract error. The number for the agent is associated with the RTU address at the team member. Data 1: **Agent** Data1 Type: Agent Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0246	582	Contract Request Travel	DAT[MCU]	All	A contract request is traveling between teams. (Team 1) is the segment through which the request just came, and (Rec 2) is the team member in the direction where the request is headed. Data 1: **Agent** Data1 Type: Agent Data 2: **Team** Data2 Type: Team Data 3: **TeamRecord** Data3 Type: TeamRecord Data 4:Debug Data Data4 Type: ushort
0247	583	Contract Request Was Accepted	DAT[MCU]	Normal	The granting agent accepted the contract. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0248	584	Contract is Being Dissolved	DAT[MCU]	Extended	An active contract is no longer needed and is in the process of being dissolved. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0249	585	Contract Started by Member	DAT[MCU]	All	A member of the specified team has determined that it can close based on information from the coach, but it must first request a contract. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3: **Team** Data3 Type: Team Data 4: **TeamRecord** Data4 Type: TeamRecord
024A	586	Contract Approved Switch Close	DAT[MCU]	Normal	The specified team requested a contract, which then traveled to the granting agent, was approved, and came back. The switch has closed to energize the line segment. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3: **Team** Data3 Type: Team Data 4:Debug Data Data4 Type: ushort
024B	587	Contract Declined	DAT[MCU]	Normal	The contract request made by the specified team was declined. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition

					Data 3: **Team** Data3 Type: Team Data 4:Debug Data Data4 Type: ushort
024C	588	Contract Requested by Member	DAT[MCU]	Normal	The local team member has requested that the contract agent negotiate a contract on behalf of the specified team. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
024D	589	Contract Requires Member Wait	DAT[MCU]	All	The specified team is waiting for a contract to be requested, granted, or declined. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3: **Team** Data3 Type: Team Data 4:Debug Data Data4 Type: ushort
024E	590	Contract Communication Received	DAT[MCU]	All	The contract agent has received a message. (Team 1) refers to the contract's originating segment, and (Team 2) refers to the temporary segment, usually the segment through which the message just passed. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4: **ContractState** Data4 Type: ContractState
024F	591	Contract Maintained	DAT[MCU]	All	Scheduled maintenance of a contract was performed by the specified requesting agent to confirm the continued need for the contract. The number for the agent is associated with the RTU address at the team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0250	592	Duplicate Contract Received	DAT[MCU]	All	The specified requesting agent received an old or duplicate contract message, which refers to the indicated contract state. The number for the agent is associated with the RTU address at the team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3: **ContractState** Data3 Type: ContractState Data 4:Debug Data Data4 Type: ushort
0251	593	Contract Transmit Busy	DAT[MCU]	All	A contract agent's transmit buffer was full. The message is held until the transmit buffer has space, and is then sent. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0252	594	Contract Dissolved by Member	DAT[MCU]	Extended	The local team member has started the process to dissolve an active contract on behalf of the specified team. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition

					Data 3: **Team** Data3 Type: Team Data 4:Debug Data Data4 Type: ushort
0253	595	Contract Resource Limitation	DAT[MCU]	Normal	A contract agent found that resources were not available for load transfer, because of either segment limitations (Code 2) or capacity limitations (Code 3). The contract agent did not forward the contract any further. Data 1: **Agent** Data1 Type: Agent Data 2: **ushort** Data2 Type: ushort Data 3: **ushort** Data3 Type: ushort Data 4: **ushort** Data4 Type: ushort
0254	596	Contract Cannot Travel	DAT[MCU]	All	The requesting contract agent does not know where the present source is, so it could not forward the contract request. The contract failed. The number for the specified agent is associated with the RTU address at the team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0255	597	Contract Not Found	DAT[MCU]	All	A contract agent received a message about a contract that is not in its list. This may result in the contract being dissolved and, if necessary, reactivated. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0256	598	Contract Reactivated	DAT[MCU]	Extended	The contract is missing somewhere along its routing path, so the requesting agent reactivated the contract. The number for the specified agent is associated with the RTU address at the originating team member. Data 1: **Agent** Data1 Type: Agent Data 2: **SwitchPosition** Data2 Type: SwitchPosition Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0257	599	Alternate Source Flag Cleared	DAT[MCU]	Extended	The line segment associated with the specified team is no longer being fed from an alternate source. This message usually follows a Return to Normal operation. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0258	600	Member Cleared Task Lock Attributes	DAT[MCU]	All	The team member logic cleared the execution lock on tasks present on the task list. These tasks may now be executed by the team member. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0259	601	Pending Comm Message Cleared	DAT[MCU]	All	The coach has determined that a pending message is no longer valid, and should be removed from the communications transmit list.

					Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025A	602	Prohibit Restoration Timer Expired	DAT[MCU]	Normal	The timer for the Prohibit Restoration feature has expired and will cause Prohibit Restoration to become active. (Team 1) indicates the team number to which this event applies. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025B	603	Action Path Complete	DAT[MCU]	All	This message is displayed when the action path for operating the switch gear has completed all possible steps in either the forward or reverse direction. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025C	604	Next Action	DAT[MCU]	All	The operation of the switch gear is progressing to the next action within the action path. (Action 1) indicates the action to be taken and can be one of the following codes: 3 Close for xfer, 20 Contract request, 21 Contract Terminate, 30 Block recloser, 31 Unblock recloser, 33 Block ground trip, 34 Unblock ground trip, 36 Alternate settings, 37 Normal, 253 Action path done. (Direction 2) is the direction the action path is going, either Forward (1) or Reverse (2). Data 1: **Action** Data1 Type: Action Data 2: **Direction** Data2 Type: Direction Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025D	605	Control Feature OK	DAT[MCU]	Extended	Indicates the requested control feature executed normally. Possible point values are: 1 Point to operate switch, 2 Point to block reclosing, 3 Point to block ground trip, 4 Point to change profile. Data 1: **Team** Data1 Type: Team Data 2: **Point** Data2 Type: Point Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025E	606	Control Feature Unsuccessful	DAT[MCU]	Normal	Indicates the requested control feature did not execute normally. Data2 Points: 1= Operate Device, 2= Block reclosing, 3= Block ground trip, 4= Change profile. Data 1: **Team** Data1 Type: Team Data 2: **Point** Data2 Type: Point Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
025F	607	Alternate Source Flag Set	DAT[MCU]	Normal	Alternate Source Flag Set. Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0264	612	Volt/Fault Idle Transfer State	DAT[MCU]	All	This message is output when all teams that the Device is a member of have their transfer stated back to idle, signaling a reset of the total 3 phase average load.

					Data 1: **Switch Position** Data1 Type: SwitchPosition Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0266	614	Volt/Fault Overcurrent Cleared	DAT[MCU]	All	This message is output when an overcurrent fault was previously detected, the field now is not faulted and 3 phase voltage has returned, causing the coach to clear the latched overcurrent condition. For details on (Rec 2) contact S&C. Data 1: **Team** Data1 Type: TeamRecord Data 2: **Rec** Data2 Type: SwitchRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0267	615	Volt/Fault Voltage Loss Cleared	DAT[MCU]	All	The coach clears a 3 phase voltage loss when: 3 phase voltage loss was previously detected and real time 3 phase voltage is now present and either the external device is in its normal state or the external device's normal job is a source sub. For details on Rec 2, contact S&C. Data 1: **Team** Data1 Type: TeamRecord Data 2: **Rec** Data2 Type: SwitchRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0268	616	Volt/Fault Phase Loss Cleared	DAT[MCU]	All	This message is output when a phase loss was previously detected, the external device is now in its normal open or close state, real time 3 phase voltage is present, causing the coach to clear the latched phase loss condition. For details on (Rec 2) contact S&C. Data 1: **Team** Data1 Type: TeamRecord Data 2: **Rec** Data2 Type: SwitchRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0269	617	DNP Feeder Loading Data Received	DAT[MCU]	All	Feeder loading data has been received from the source substation or breaker, and may be used in determining the capacity of the circuit during transfer operations. Data 1 indicates the circuit loading received in increments of 10 amps per count. Data 1: **Data** Data1 Type: LoadingCurrent Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026A	618	Error Cleared - Gathering Data	DAT[MCU]	Normal	The error collecting data related to the internal switch function was cleared. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026B	619	Device is Ready for Transfer	DAT[MCU]	Normal	The local switch on the specified team is ready for transfer operations. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026C	620	Config Update Operation	DAT[MCU]	Normal	The team configuration of any of the active local teams has been re-enabled on the SETUP: Team screen. Team operation is

		Resumed			resumed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026D	621	SCADA Prohibit Restoration Cleared	DAT[MCU]	Normal	A SCADA command was received to reenable the restoration of load by this team member, and the switch may be closed automatically. If applicable, this message will also be displayed on power up. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026E	622	Timer Prohibit Restoration Cleared	DAT[MCU]	Normal	A SCADA command was received to reenable the restoration of load by this team member, and the switch may be closed automatically. If applicable, this message will also be displayed on power up. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
026F	623	All Teams Are Transfer Ready	EVT[MCU]	Normal	All teams are fully operational, and may close switches as necessary to transfer load and reconfigure the circuit. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0270	624	Transfer Not Active on Any Team	DAT[MCU]	Normal	No teams are presently reconfiguring the circuit or transferring load. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0271	625	RTN Not Active on Any Team	DAT[MCU]	Normal	No teams are presently returning the circuit to its normal configuration. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0272	626	Unknown Message Type Received	DAT[MCU]	Normal	An IntelliTEAM message was received over communications but contains a message type that is not recognized. The team the message was intended for, and the message type received, are included in the data. Data 1: **Team** Data1 Type: Team Data 2: **Message Type Received** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0273	627	Request Xfer Trip Prohibit Restoration	DAT[MCU]	Normal	 Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0274	628	Req Xfer Trip Prohibit Rest on DG Team	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0275	629	Xfer Trip Prohibit Restoration Active	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0276	630	Xfer Trip Prohibit Restoration Cleared	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0277	631	DG Reconnect Delay Started	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0278	632	DG Reconnect Delay Expired	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0279	633	Not All Prohibit Rest Flags Cleared	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
027A	634	Request Switch Close For DG Reconnect	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
027B	635	Switch Closed For DG Reconnection	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
027C	636	DG Reconnect Delay Terminated	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

027D	637	DG Reconnect Delay Disabled	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
027E	638	DG Reconnect Delay Counting Down	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
027F	639	Start Monitoring TTPR	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0280	640	Continue Monitoring TTPR	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0281	641	Could Not Find DG	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0282	642	Could Not Find Normal Source	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0283	643	Stop Monitoring TTPR	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0284	644	Source Side Team Not Defined	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0285	645	Could Not Start Monitoring TTPR	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0287	647	Transfer Declined Excess Load	DAT[MCU]	Normal	Data 1: **Team** Data1 Type: Team

					Data 2: **ExcessLoad** Data2 Type: ExcessLoad Data 3: **Unused** Data3 Type: ushort Data 4: **Debug Data** Data4 Type: HealingType
0288	648	Transfer Declined Excess Load Inactive	DAT[MCU]	Normal	Data 1: **Team** Data1 Type: Team Data 2: **Debug Data** Data2 Type: XferInactiveReason Data 3: **Unused** Data3 Type: ushort Data 4: **Unused** Data4 Type: ushort
0289	649	Transfer Declined Line Seg Linit	DAT[MCU]	Normal	Data 1: **Team** Data1 Type: Team Data 2: **LineSegLimit** Data2 Type: LineSegLimit Data 3: **Unused** Data3 Type: ushort Data 4: **Debug Data** Data4 Type: HealingType
028A	650	Transfer Declined Line Seg Limit Off	DAT[MCU]	Normal	Data 1: **Team** Data1 Type: Team Data 2: **Debug Data** Data2 Type: XferInactiveReason Data 3: **Unused** Data3 Type: ushort Data 4: **Unused** Data4 Type: ushort
028D	653	DG Reconnect Delay Terminated Cleared	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0290	656	Normally Open Switch Automatic Open	DAT[MCU]	Normal	A normally open team member has opened for an automatic (IntelliTEAM-initiated) reason. This may happen during Return To Normal process. The team and the member record number are provided. Data 1: **Team** Data1 Type: Team Data 2: **Rec** Data2 Type: SwitchRecord Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0291	657	DNP Message Rejected	DAT[MCU]	Normal	An IntelliTEAM communication message to the provided RTU was rejected by communications. The rejection code is provided. Data 1: **Rtu** Data1 Type: RTUAddress Data 2: **Code** Data2 Type: CommErrorCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0292	658	Transfer State Change	DAT[MCU]	All	The transfer state changed for the specified team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0293	659	Manual Operation Team Condition On	DAT[MCU]	Normal	A team entered a non-operational state because an unexpected manual switch operation occurred. Typically the only expected manual switch operation is closing a source switch on a previously faulted team which proves that the fault is gone, and allows RTN process to take place (if RTN is enabled). Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0294	660	Manual Operation Team Condition OFF	DAT[MCU]	Normal	The unexpected manual switch operation team condition was cleared. This can only occur as a result of a user request. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0295	661	Manual Operation Not Cleared	DAT[MCU]	Normal	Manual Operation condition could not be cleared on a user request because the local team member is not in its normal state. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0296	662	Wait For Team to Open	DAT[MCU]	Normal	IntelliTEAM is waiting for all switches in the team to open so that it can attempt to restore service to the team. This is likely to occur only during a 2nd contingency event. Data 1: **team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0297	663	Bad Voltage Reopen Flag	DAT[MCU]	Normal	Associated with the Team Member Requalify Time feature. Value of 1 means that the team member is disqualified on an unsuccessful attempt to close and a timer is started. Value of 0 means that the timer has cleared, and the team member can be considered as an alternate source again. Data 1: **Team** Data1 Type: Team Data 2: **Flag value** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0298	664	ITII Source Loading Data Active	DAT[MCU]	Normal	
0299	665	ITII Source Loading Data Not Active	DAT[MCU]	Normal	
029A	666	ITII RT-Load Data Problem	DAT[MCU]	Normal	
029B	667	ITII RT-Load Data Problem Cleared	DAT[MCU]	Normal	
029C	668	ITII Cycling Status Clred(team rec)	DAT[MCU]	Normal	Data 1: **Team** Data1 Type: TeamRecord Data 2: **Rec** Data2 Type: SwitchRecord
029D	669	Team 1 is Ready to Transfer	EVT[MCU]	Extended	
029E	670	Team 1 is in Not Ready state	EVT[MCU]	Extended	
029F	671	Team 2 is Ready to Transfer	EVT[MCU]	Extended	

02A0	672	Team 2 is in Not Ready state	EVT[MCU]	Extended	
02A1	673	Team 3 is Ready to Transfer	EVT[MCU]	Extended	
02A2	674	Team 3 is in Not Ready state	EVT[MCU]	Extended	
02A3	675	Team 4 is Ready to Transfer	EVT[MCU]	Extended	
02A4	676	Team 4 is in Not Ready state	EVT[MCU]	Extended	
02A5	677	Team 5 is Ready to Transfer	EVT[MCU]	Extended	
02A6	678	Team 5 is in Not Ready state	EVT[MCU]	Extended	
02A7	679	Team 6 is Ready to Transfer	EVT[MCU]	Extended	
02A8	680	Team 6 is in Not Ready state	EVT[MCU]	Extended	
02A9	681	Team 7 is Ready to Transfer	EVT[MCU]	Extended	
02AA	682	Team 7 is in Not Ready state	EVT[MCU]	Extended	
02AB	683	Team 8 is Ready to Transfer	EVT[MCU]	Extended	
02AC	684	Team 8 is in Not Ready state	EVT[MCU]	Extended	
02AD	685	RSH start after switch open	DAT[MCU]	All	Rapid Self Healing is being started after a switch has opened to isolate trouble. Data 1: **Team** Data1 Type: ushort
02AE	686	RSH failed - downstream team	DAT[MCU]	All	Rapid Self Healing was unable to restore load based on information from a team on the load side of the fault. Data 1: **Team** Data1 Type: ushort
02AF	687	RSH failed - faulted team	DAT[MCU]	All	Rapid Self Healing was unable to restore load based on the information from the faulted team. Data 1: **Team** Data1 Type: ushort
02B0	688	RSH monitoring in process	DAT[MCU]	All	Indicates that a coach monitoring task was started to watch the progress of the Rapid Self Healing process. This task will be used to revert back to a standard restoration process if Rapid Self Healing is unable to restore the load. Data 1: **Team** Data1 Type: ushort
02B1	689	RSH has become active	DAT[MCU]	All	Logged when the coach is requested to make Rapid Self Healing active in that team. Data 1: **Team** Data1 Type: ushort
02B2	690	RSH has become inactive	DAT[MCU]	All	Logged when the coach is requested to make Rapid Self Healing inactive in that team. Data 1: **Team** Data1 Type: ushort
02B3	691	RSH is being started by player	DAT[MCU]	All	Logged when the coach has requested the team member to initiate the Rapid Self Healing process. Data1= Team Number, Data2=

					RSH Team. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B4	692	RSH failed - reported by player	DAT[MCU]	All	If the team member finds that Rapid Self Healing is unable to compolete it will log this message. If there are other tie points that may be used for RSH it will try those, indicated tby the Try Number. The result code may be one of: (if code location 0 or 2) 1= No Alternate Source, 2= Not Enough Capacity, 3= Switch Trouble, 4= Timer Unavailable, 5= Unable to Register Peer, 6= Comm List Full, 7= Bad Try Number, 8= Bad Netlist, 9= Not RSH Enabled. (if code location 1) 3=Problem while waiting for RSH, 4= Timeout while waiting for RSH. Data1= Team Number, Data2= Result Code, Data3= Try Number, Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B5	693	RSH action requested by player	DAT[MCU]	All	The member's initial request to start Rapid Self Healing was successful. Data1= Team Number. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B6	694	RSH action successful	DAT[MCU]	All	The team member has received an indication that Rapid Self Healing has been successful. Success code will be 2. Data1= Team Number, Data2= Success Code. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B7	695	RSH action taking place	DAT[MCU]	All	The team member has initiated a Rapid Self Healing operation and is waiting for a result. Data1= Team Number. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B8	696	RSH init at startup	DAT[MCU]	All	A peer device was unable to be registered with the DNP commuynication system. The return code can be: 1= Error, 2= Already On List, 3= List Full, 4= Not On List, 5= Not Peer-To-P{eer Compatible, 6= Delay Before Retrying. Data1= Return Code, Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02B9	697	RSH timer was not available	DAT[MCU]	Normal	Logged during startup if no timer is available for the Rapid Self Healing process. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BA	698	RSH disabled or switch trouble	DAT[MCU]	All	If the switch is in manual mode, or IntelliTEAM event processig has not yet been in the associated teams, this message will be logged and Rapid Self Healing will not be allowed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BB	699	RSH trouble registering DNP peer	DAT[MCU]	All	A peer device was unable to be registered with the DNP communication system. The return code can be: 1= Error, 2= Already On List, 3= List Full, 4= Not On List, 5= Not Peer-to-Peer Compatible, 6= Delay Before Retrying. Data1= Return Code, Data2= Peer Address, Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BC	700	RSH throw back operation	DAT[MCU]	All	This indicates that the tie switch has completed its Rapid Self Healing operation and sending a response message back to the originating switch. The status can be: 6= Success, 7= Unable to Close Switch. Data1= Tie Switch Address, Data2= Originating Switch Address, Data3= RSH Status. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BD	701	RSH peer removed after complete	DAT[MCU]	All	The reported switch address has been removed from the DNP peer communications peer association list. Data1= Switch address. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BE	702	RSH trouble starting operation	DAT[MCU]	All	Rapid Self Healing was unable to begin due to one of the following reasons: 1= No Alternate Source, 2= Not Enough Capacity, 3= Switch Trouble, 4= Timer Unavailable, 5= Unable to Register Peer, 6= Comm List Full, 7= Bad Try Number, 8= Bad Netlist, 9= Not RSH Enabled. Data1= Trouble Code. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02BF	703	RSH initiated	DAT[MCU]	All	Logged at the originating team member when Rapid Self Healing has been initiated successfully. The message sent to the tie point includes the number of teams that will be restored, and the amount of load that will be restored, if the RSH action is executed at the tie switch. A response is then expected to find out whether the tie switch was able to close. Data1= Tie Switch Address, Data2= Tie Switch Position, Data3= Number of Teams, Data4= Load to Restore. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C0	704	RSH switch operation trouble	DAT[MCU]	All	Logged if the tie switch location is unable to close the switch. The specific reason for this trouble is related to the code location: 1= Rapid Self Healing Inactive, 2= Request Team Invalid, 3+4= RSH Disabled on Team, 5+6= Team Errors Present, 7= Switch Is Not Open, 8= Voltage State Issue, 9= Team Is Faulted, 10= Too Many Teams to Restore, 11+12= Not Enough Capacity, 13= Coach Task List Full, 14= Grant Team Invalid. Contact S&C for further definitions of Data1, Data2, and Data3. Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C1	705	RSH switch op final status	DAT[MCU]	Normal	Indicates the status of operating a switch based on Rapid Self Healing. Switch operation status includes: 1= Good Operation, 2= Bad Operation, 3= Operation Timed Out. The RSH process status can be: 4= Timeout, 6= Good Status, 7= Bad Status. Data1= Switch Operation Status, Data2= RSH Process Status, Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C2	706	RSH rcvd unexpected state change	DAT[MCU]	All	Logged if a Rapid Self Healing message is received that contains a state that conflicts with the present local RSH state. In general, if RSH is idle then a request to close may be accepted, and if a request to close has been transmitted then only a result response message can be accepted. RSH states include: 1= Idce, 2= Waiting, 3= Error, 4= Timeout, 5= Close Switch, 6= Result Response, 7= Remove Peer, 8= Waiting, 9= Responding. Data1= Present RSH State, Data2= Received RSH State, Data3= Present RSH Status. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C3	707	Netlist initialization trouble	DAT[MCU]	Normal	If a Netlist is unable to be imported into the Team database this message is logged to indicate the reason. Data1= Trouble Code (1= Present states of local switches do not match normal states, 2= IntelliTEAM may be in the process of reconfiguration, 3= Netlist data is invalid, such as no local teams, 4= Presently processing a new netlist, 5= Device is not configured with an RTU address). Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C4	708	Netlist accepted by IntelliTEAM	DAT[MCU]	Normal	Indicates that a Netlist was successfully imported into the Team Database. The count of the number of teams included is also reported. Data1= Team Count. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

02C5	709	Netlist rejected by IntelliTEAM	DAT[MCU]	Normal	During import into the team database the Netlist was rejected either due to this device not being included in the Netlist, or trouble with the data while unpacking the Netlist. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C6	710	RSH alt source search result	DAT[MCU]	Extended	Logged when the Rapid Self Healing process searches for alternate sources during a reconfiguration process. The number of possible alternate sources Found is reported, along with the number Available for restoration after checking each alternate source for available capacity. Data1= Found, Data2= Available. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C7	711	Loading Agent Timer Unavailable	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C8	712	Load Shedding Initiated	DAT[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02C9	713	Trouble Starting Load Shedding Op	DAT[MCU]	Normal	A new coach has been generated at a team member of the specified team. This can occur during power-up, if existing coach is lost due to communication failure, or existing coach data is inconsistent. Data1= Team. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CA	714	Recvd Shed Rqst While in Process	DAT[MCU]	Extended	Indicates that a request to shed load was received while a previous request is in process. Data1= State (1= Start, 2= Return Response, 3= Cleanup, 4= Remove Peer, 5= Back to Normal, 65535= Idle), Data2= Target. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CB	715	Trouble During Shed Operation	DAT[MCU]	Extended	Indication of trouble during shed operations is dependent on the Code Location. Code Location 1 indicates the target switch is not presently closed (Data1 indicates switch state). Code Location 2 indicates associated team numbers are inconsistent (Data1 and Data2 are actual team numbers, Data3 is the requested team number). Code Location 3 indicates that team errors may be present (Data1 and Data2 are associated team numbers). Code Location 6 indicates that the priority of the load to be shed is too high to shed (Data1 shows the configured load priority). Code Location 7 indicates that there was trouble returning a load shed

					response message (Data1 is the destination address). Data1, Datas2, and Data3 see above. Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CC	716	Load Agent Throwback Operation	DAT[MCU]	All	A load shed response message was sent back to the requesting device. The destination address is included. Data1= Destination. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CD	717	Load Agent Trouble Adding DNP Peer	DAT[MCU]	Extended	This is logged when a destination device for a load shed message is unable to be added (code location 2) or removed (code location 1) from the DNP peer list Data1= Return Code (1= Error, 2= Already on list, 3= list full, 4= not on list) Data2= Destination, Data4= Code Location. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CE	718	Load agent removed DNP peer	DAT[MCU]	All	A destination peer device was successfully removed from the DNP peer list after a load shed operation was completed. This prevents the peer list from filling up over time. Data1= Destination. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02CF	719	Load agent remove restrictions	DAT[MCU]	Extended	Indicates that a switch that was used to shed load can again be used as a source for that load. The restriction from closing has been removed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D0	720	Load Shedding Switch Mode Status	DAT[MCU]	All	This is logged to show whether the Switch Mode status indicates that the team member is being blocked from operations due to a load shed operation. Data1= Team Number, Data2= Member Number, Data3= State (1= Transition to On, 2= Transition to Off). Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D1	721	Overload monitoring started	DAT[MCU]	Normal	Indicates beginning of load monitoring for the substation associated with this control since it is supplying sections that it normally does not supply. Data1= Source List Index in Net View. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

02D2	722	Overload monitoring stopped	DAT[MCU]	Normal	Indicates that load monitoring is no longer required for this source, since it is no longer carrying non-normal sections. Data1= Source List Index in Net View, Data2= Source Capacity, Data3= Present Load. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D3	723	Qualified Overload is present	DAT[MCU]	All	Indicates that an overload condition has been present for the specified length of time - this is the declaration we are not seeing a momentary transient. Data1= Source List Index in Netview, Data2= Source Capacity, Data3= Present Load. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D4	724	Overload Alarm Active	DAT[MCU]	Normal	Alarm is active once an overload has been declared. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D5	725	Overload Alarm Removed	DAT[MCU]	Normal	Overloadondition has cleared and/or the source is no longer carrying extra sections. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D6	726	Load shed sequence started	DAT[MCU]	Extended	Indicates that the time on alarm state limit has passed, and an attempt will be made for a section to be transferred or shed to attempt to allieviate the condition. Data1= Source List Index in Net View, Data2= Source Capacity, Data3= Present Load. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D7	727	Load shed request sent	DAT[MCU]	All	Shed request was sent to the specified RTU address. Data1= Destination Switch RTU, Data2= Destination Switch Team Number, Data3= Load Request. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02D8	728	Load shed request not sent	DAT[MCU]	All	Problem with communications prevented sending a shed request to the specified RTU address. Data1= Destination Switch RTU, Data2= Destination Switch Team Number, Data3= Load Request. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

02D9	729	Load shed request accepted	DAT[MCU]	All	Target RTU address device accepted the request and will act on it. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02DA	730	Load shed request rejected	DAT[MCU]	All	Target RTU address device rejected the request and will not act on it. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02DB	731	Add to shed reject list	DAT[MCU]	All	Target RTU address will not be asked again during this overload occurrence. Data1= Destination RTU address Data2= Quantity in list. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02DC	732	Calculated alt source capacity	DAT[MCU]	All	This message indicates the resources that are available on an alternate feeder as calculated during the RSH process. Data1= Return Code (0= Nodata, 1= Netlist update occurring, 2= Netlist good), Data2= Capacity, Data3= Segment Count, Data4= Netlist Team ID. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02DD	733	Close Fail - Pulsing In-Op	DAT[MCU]	All	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02DE	734	Decision by IT to open switch	DAT[MCU]	All	Indicates decision by IT to open a switch (for Instant Replay) Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02E0	736	Team Dropped for Load Shed	DAT[MCU]	Normal	The team has been deenergized to reduce substation loading and will not be restored until the circuit is back to normal. Data 1:Debug Data Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02E1	737	PR due to Load Shed Active	DAT[MCU]	Normal	Prohibit Restoration is active to prevent shed load from being restored from an alternate source. Data 1:Debug Data Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

02E2	738	PR due to Load Shed InActive	DAT[MCU]	Normal	Prohibit Restoration is inactive to prevent shed load from being restored from an alternate source. Data 1:Debug Data Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02E3	739	Switch Open For Phase Isolation ON	DAT[MCU]	Normal	Switch Opened For Phase Isolation Active Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E4	740	Switch Open For Phase Isolation OFF	DAT[MCU]	Normal	Switch Opened For Phase Isolation NOT Active Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E5	741	Phase Loss Isolation Inform Mode ON	DAT[MCU]	Normal	Phase Loss Isolation Inform Mode Active Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E6	742	Phase Loss Isolat. Inform Mode OFF	DAT[MCU]	Normal	Phase Loss Isolation Inform Mode NOT Active Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E7	743	Phase Loss Timing Complete	DAT[MCU]	Normal	Phase Loss Timing Complete Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E8	744	Phase Loss Isolation Event Continue	DAT[MCU]	Normal	Phase Loss Isolation Event Continue Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02E9	745	Sw1 Auto Manl Op. Clear Timer Started	DAT[MCU]	Normal	Sw1 Auto Manual Operation Clearing Timer Started Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02EA	746	Xfer Declined Load Data	DAT[MCU]	Normal	Xfer Declined Load Data Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
02ED	749	Load Shed Alarm Active	DAT[MCU]	Normal	Alarm is active once arequirement to shed load been declared.

					Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02EE	750	Sys Volt Classification Diff Detected	DAT[MCU]	Normal	Alarm is active once arequirement to shed load been declared. Data 1:Debug Data Data1 Type: SystemVoltage Data 2:Debug Data Data2 Type: SystemVoltage Data 3:Debug Data Data3 Type: MoreThanOneDiffFound Data 4:Debug Data Data4 Type: ushort
02EF	751	Load Shed Alarm Removed	DAT[MCU]	Normal	No longer need to shed load - load is below the limit or back to normal for Feeder Configuration. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F0	752	Return to Loop Timer Started	DAT[MCU]	Normal	The Return to Loop timer was started by the local team member of the specified team. Data 1: **Team** Data1 Type: Team Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F1	753	Return to Loop Continue OK	DAT[MCU]	Normal	The internal Return to Loop process for the specified team indicated that Return to Loop may continue to the next step. The process result code is also shown. Data 1: **Team** Data1 Type: Team Data 2: **Code** Data2 Type: InternalCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F2	754	Disregard First Overcurrent Enabled	DAT[MCU]	Normal	Disregard First Overcurrent Enabled. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F3	755	Disregard First Overcurrent Disabled	DAT[MCU]	Normal	Disregard First Overcurrent Enabled. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F4	756	OC Indication Requires Clearing	DAT[MCU]	Normal	OC Indication Requires Clearing Data 1:Debug Data Data1 Type: TeamNumber Data 2:Debug Data Data2 Type: SWPos Data 3:Debug Data Data3 Type: TransferState Data 4:Debug Data Data4 Type: ushort
02F5	757	Ignoring First OC is Active	DAT[MCU]	Normal	Ignoring first OC is active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

02F6	758	Ignoring First OC is Inactive	DAT[MCU]	Normal	Ignoring First OC is Inactive Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F7	759	Average Loading Stopped	DAT[MCU]	Normal	Average Loading Stopped Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F8	760	Average Loading Restored	DAT[MCU]	Normal	Average Loading Restored Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02F9	761	Calculated Real Capacity	DAT[MCU]	Normal	Calculated Real Capacity Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FA	762	Not All Teams Xfer Rdy Timer Active	DAT[MCU]	Normal	Not All Teams Xfer Rdy Timer Active Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FB	763	Not All Teams Xfer Rdy Timer Cleared	DAT[MCU]	Normal	Not All Teams Xfer Rdy Timer Cleared Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FC	764	Start Sending Transfer Trip	DAT[MCU]	Normal	Start Sending Transfer Trip Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FD	765	Transfer Trip Sending Rejected by RTL	DAT[MCU]	Normal	Transfer Trip Sending Rejected by RTL Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FE	766	Transfer Trip Sent Successfully	DAT[MCU]	Normal	Transfer Trip Sent Successfully Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
02FF	767	Transfer Trip Sent Unsuccessfully	DAT[MCU]	Normal	Transfer Trip Sent Unsuccessfully Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0300	768	Compact Flash Operational Issue	LOG[MCU]	All	Data 1:Error Code Data1 Type: ushort
0301	769	Logging Overflow (last events)	LOG[MCU]	All	Data 1: **Event ID** Data1 Type: ushort Data 2: **Event ID** Data2 Type: ushort Data 3: **Event ID** Data3 Type: ushort Data 4: **Event ID** Data4 Type: ushort
0302	770	LOG DNP Irregularity	LOG[MCU]	All	Data 1:Trace Info Data1 Type: ushort Data 2:Error Code Data2 Type: ushort
0305	773	High Volume Event Storage to CF	LOG[MCU]	All	The task that writes the compact flash file has been rescheduled to run immediately because the event log input buffer is full.
0307	775	Invalid Log Request	LOG[MCU]	All	Data 1:Trace Info Data1 Type: ushort
0308	776	Diag. Data Definition Error	LOG[MCU]	Normal	Data 1: **Diagnostic Data Type (Alarm, Warning or Error)** Data1 Type: LOGDiagType Data 2:On-Event handle Data2 Type: ushort Data 3:Off-Event handle Data3 Type: ushort Data 4:Trace Info Data4 Type: ushort
0309	777	Diag. Data Processing Error	LOG[MCU]	Normal	Data 1: **Diagnostic Data Type (Alarm, Warning or Error)** Data1 Type: LOGDiagType Data 2:Debug Data2 Type: ushort Data 3:Debug Data3 Type: ushort Data 4:Trace Info Data4 Type: ushort
030A	778	Alarm Condition is ON	LOG[MCU]	Normal	
030B	779	Alarm Condition is OFF	LOG[MCU]	Normal	
030C	780	Warning Condition is ON	LOG[MCU]	Normal	
030D	781	Warning Condition is OFF	LOG[MCU]	Normal	
0310	784	Next Averaging Period	LOG[MCU]	All	Data 1:Period Number Data1 Type: ushort
0311	785	Averaging Data CF Write	LOG[MCU]	All	Data 1:File Cycle Number Data1 Type: ushort
0312	786	Next Daily High/Low Period	LOG[MCU]	All	Data 1:Period Number Data1 Type: ushort
0313	787	Daily High/Low CF Write	LOG[MCU]	All	

					Data 1:File Cycle Number Data1 Type: ushort
0314	788	Shutdown Processing LOG	LOG[MCU]	Normal	Data 1:Trace Info Data1 Type: ushort
0315	789	Communication Processor Startup	EVT[MCU]	Normal	
0316	790	Spec. Evt Counters Cleared	LOG[MCU]	Normal	
0317	791	Status Counters Cleared	LOG[MCU]	Normal	
0318	792	Log Flooding Condition ON	LOG[MCU]	Normal	Data 1:event ID Data1 Type: ushort
0319	793	Log Flooding Condition OFF	LOG[MCU]	Normal	
0320	800	CF Query Action	LOG[MCU]	All	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0321	801	CF Query Received	LOG[MCU]	All	Data 1: **Client-generated query code** Data1 Type: ushort
0322	802	CF Query Frame Furnished	LOG[MCU]	All	Data 1: **Next Frame Sequence Number** Data1 Type: ushort Data 2: **Position in CF read buffer** Data2 Type: ushort Data 3: **Number of events in this frame** Data3 Type: ushort
0333	819	CF Query New Frame Rqst	LOG[MCU]	All	Data 1: **Frame Sequence Number** Data1 Type: ushort
0334	820	CF Query: Last Frame Furnished	LOG[MCU]	All	Data 1: **Next Frame Sequence Number** Data1 Type: ushort Data 2: **Position in CF read buffer** Data2 Type: ushort Data 3: **Number of events in this frame** Data3 Type: ushort
0335	821	CF Query Abort Request	LOG[MCU]	All	Data 1: **Frame Sequence Number** Data1 Type: ushort
0336	822	CF Query Has Timed Out	LOG[MCU]	All	
0337	823	CF Query Disk Issue	LOG[MCU]	All	Data 1: **Issue Code** Data1 Type: ushort Data 2: Data2 Type: ushort
0501	1281	BMM Setting Restore UnSuccess	SUM[MCU]	Normal	An issue was encountered restoring user settings from the base memory. The settings were not restored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
0502	1282	User Config Restored From BMM	SUM[MCU]	Normal	User configurable settings successfully restored from the base memory.

0503	1283	BMM Backup Config Unsuccessful	SUM[MCU]	Normal	An issue was encountered storing user settings to the base memory. The settings were not succesfully stored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
0504	1284	User Configuration Backed Up to CF	SUM[MCU]	Normal	User configurable settings successfully stored to a compact flash file.
0505	1285	CF Backup Settings Save Unsuccess	SUM[MCU]	Normal	An issue was encountered storing user settings to a compact flash file. The settings were not succesfully stored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
0506	1286	User Configuration Restored to CF	SUM[MCU]	Normal	User configurable settings successfully restored from the a compact flash file.
0507	1287	CF Restore Settings UnSuccess	SUM[MCU]	Normal	An issue was encountered restoring user settings from a compact flash file. The settings were not restored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
0508	1288	Validate Settings Successful	SUM[MCU]	Normal	The settings are valid.
0509	1289	Settings Validation UnSuccess	SUM[MCU]	Normal	An issue was encountered during a setting validation attempt. The settings are not valid and cannot be applied. Data 1: **Settings Group** Data1 Type: ushort Data 2: **Instance** Data2 Type: ushort Data 3: **Error** Data3 Type: ushort
050A	1290	Applied Settings Successfully	EVT[MCU]	Normal	The settings were applied and are active in the control.
050B	1291	Settings Application UnSuccess	EVT[MCU]	Normal	An issue was encountered while trying to apply settings to the control. All settings were not successfully applied. This most commonly occurs when settings are transferred from the MCU to the DSP. Data 1:Error Code Data1 Type: ushort
050C	1292	Refresh Settings Buffer Success	SUM[MCU]	Normal	The settings buffer has been refreshed with the active settings.
050D	1293	Refresh Settings Buffer Issue	SUM[MCU]	Normal	An issue was encountered while attempting to refresh the settings buffer. Values on the settings screens may not accurately reflect the active settings in the control. Data 1:Error Code Data1 Type: ushort
050E	1294	Register Settings Block Issue	SUM[MCU]	Normal	An issue was encountered during application initialization that prevented a group of settings from being successfully registered with the setup manager. Data 1:Error Code Data1 Type: ushort
050F	1295	Register Callback Issue	SUM[MCU]	Normal	An issue was encountered during application initialization that prevented settings related functions from a subsystem from being successfully registered with the setup manager.

					Data 1:Error Code Data1 Type: ushort
0510	1296	SUM Reg DNP Special Func. Warning	SUM[MCU]	Normal	An issue was encountered during application initialization that will prevent the functionality of one or more DNP commands. Data 1:DNP Error Code Data1 Type: ushort Data 2:Instance Data2 Type: ushort
0511	1297	Register Non-Settings Block Issue	SUM[MCU]	Normal	An issue was encountered during application initialization that prevented a group of non-settings from being successfully registered with the setup manager for access rights checking. Data 1:Error Code Data1 Type: ushort
0512	1298	User Login Access Denied	SUM[MCU]	Normal	Access to Login was denied. Data 1: **Access Denied Reason** Data1 Type: AccessDeniedReason
0513	1299	User Logout Access Denied	SUM[MCU]	Normal	Access to Logout was denied. Data 1: **Access Denied Reason** Data1 Type: AccessDeniedReason
0514	1300	BMM Not Ready	SUM[MCU]	Normal	The base memory module cannot be accessed. Data 1:BMM State Data1 Type: ushort
0515	1301	User Session Started	EVT[MCU]	Normal	A user session was started. Data 1: **User Id** Data1 Type: ushort Data 2: **Port Number** Data2 Type: PortCode
0516	1302	User Session Ended	EVT[MCU]	Normal	A user session was terminated. Data 1: **User Id** Data1 Type: ushort Data 2: **Session Ended Reason** Data2 Type: SUMSessionEndReason Data 3: **Port Number** Data3 Type: PortCode
0517	1303	User Access Denied	SUM[MCU]	Normal	Access to write a VM location was denied. Data 1: **Access Denied Reason** Data1 Type: AccessDeniedReason Data 2:Optional Data Depending on Reason Data2 Type: ushort
0518	1304	Register Commad to Block Issue	SUM[MCU]	Normal	An issue was encountered during application initialization that prevented a command from being successfully registered with the setup manager to block based on source (IntelliLink WiFi or IntelliLink Remote). Data 1:Error Code Data1 Type: ushort
0519	1305	Request Backup Received	SUM[MCU]	Normal	The Setup Manager received a request from another subsystem to do a backup of settings.
051A	1306	Settings Backup Success	SUM[MCU]	Normal	User configurable settings successfully stored to the base memory.
051B	1307	Settings Restore Unsuccessful	SUM[MCU]	Normal	An issue was encountered restoring user settings from the base memory. The settings were not restored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
051C	1308	Settings Restore Success Alarm	SUM[MCU]	Normal	User configurable settings successfully restored from the base memory.
051D	1309	Settings Backup Unsuccessful	SUM[MCU]	Normal	An issue was encountered storing user settings to the base memory. The settings were not succesfully stored.

					Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
051E	1310	Settings Missmatch Warning Off	SUM[MCU]	Normal	User configurable settings have been applied.
051F	1311	Settings Missmatch Warning On	SUM[MCU]	Normal	User configurable settings in the base memory are not of a compatible version with the firmware in the control so cannot be restored. Data 1:SUM Error Code Data1 Type: ushort Data 2:Called Function Return Data2 Type: ushort Data 3:Step Data3 Type: ushort
0520	1312	Apply Settings Started	SUM[MCU]	Normal	Apply of user configurable settings has started.
0521	1313	Password Setting Changed	SUM[MCU]	Normal	A user group password settings change was applied. Data 1: **GroupId** Data1 Type: ushort
0522	1314	IntelliLink Intrusion On	SUM[MCU]	Normal	User attempted three unsuccessful logons.
0523	1315	IntelliLink Intrusion Off	SUM[MCU]	Normal	Alarm re user attempting three unsuccessful logons was cleared
0524	1316	IntelliLink Intrusion Attempt	SUM[MCU]	Normal	User attempted unsuccessful logon
0800	2048	DNP Initialization Complete	DNP[MCU]	Normal	Displayed when initialization of DNP processes has completed without error. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0801	2049	Route Table Initialization Error	DNP[MCU]	Normal	The routing table was unable to be initialized, preventing initialization of DNP processes from being completed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0802	2050	Point Map Initialization Error	DNP[MCU]	Normal	The point mapping table was unable to be initialized, preventing initialization of DNP processes from being completed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0803	2051	Error in Configuration Data	DNP[MCU]	Normal	A configuration setup parameter was found to be set incorrectly or out of range. Data 1: **Setup Value** Data1 Type: ushort Data 2: **Min Value** Data2 Type: ushort Data 3: **Max Value** Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0804	2052	Old Configuration Remains in Effect	DNP[MCU]	Normal	Indicates that due to an error in configuration data the existing setup will continue to be used by the application. Data 1:Debug Data Data1 Type: ushort

					Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0805	2053	Configuration Change Accepted	DNP[MCU]	Normal	Changes to the communications setup parameters were validated and have been made active within the application. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0806	2054	Master Record Not Added	DNP[MCU]	Normal	The master record was unable to be added to the peer device list due to either an incorrect parameter or the peer device list is full. Data 1: **Master Record Add Error** Data1 Type: MasterRecAddError Data 2: Code Location Data2 Type: ushort Data 3:Master Number Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0807	2055	Map Change Callback Init Error	DNP[MCU]	Normal	A DNP point map change callback function was unable to be registered due to a full callback list. This prevented initialization of DNP processes from being completed. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0808	2056	Incorrect Frame Length	DNP[MCU]	Extended	The actual length of the received DNP frame does not match the length indicated in the DNP data link header. The frame is discarded. Data 1: **Actual Length** Data1 Type: ushort Data 2: **Indicated Length** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4: Code Location Data4 Type: ushort
0809	2057	Serial Port Reset Error	DNP[MCU]	Normal	An error occurred in reset of a serial port during a communications setpoint configuration change. Changes to serial port configuration may not have taken affect. Data 1: **Port Number** Data1 Type: PortCode Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
080A	2058	P2P Receive buffer full	DNP[MCU]	Normal	
080B	2059	P2P Fragment rcvd from transport	DNP[MCU]	All	Data 1: **Peer Address** Data1 Type: ushort Data 2: **Fragment Length** Data2 Type: ushort Data 3: **Port ID** Data3 Type: ushort Data 4: **Fragment ID** Data4 Type: ushort
080C	2060	Error Registering Special Function	DNP[MCU]	Normal	
080D	2061	P2P Notification received	DNP[MCU]	All	Data 1: **Source Address / ID** Data1 Type: ushort Data 2: **Destination Address /Code** Data2 Type: ushort

					Data 3: **Sequence Number / Layer** Data3 Type: ushort Data 4: **Connection ID/0** Data4 Type: ushort
080E	2062	TCP Port Maintenance	DNP[MCU]	Extended	The actual length of the received DNP frame does not match the length indicated in the DNP data link header. The frame is discarded. Data 1: **TCP Port Connect State** Data1 Type: TCPPortConnectState Data 2: **TCP Port Active State** Data2 Type: TCPPortActiveState Data 3: **Destination RTU Address** Data3 Type: RTUAddress Data 4: **Diagnostic Value** Data4 Type: ushort
0820	2080	Invalid Transport Segment Length	DNP[MCU]	Extended	The transport segment length of the DNP frame is invalid. The frame was discarded. The valid range is from 3 to 250. Data 1: **Segment Length** Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0821	2081	Receive Message Buffer Full	DNP[MCU]	Extended	The transport function receive message buffers are full. These buffers hold the frame header information and other message details. The new frame is discarded. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0822	2082	Receive Data Buffer Full	DNP[MCU]	Extended	The transport function receive data buffers are full. These buffers hold the data portion of the received DNP frames. The new frame is discarded. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0823	2083	Removed Old FIR-Only Message	DNP[MCU]	All	An incomplete fragment was discarded due to a newer message being received from the same source device. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2:Debug Data Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
0824	2084	App Layer Accepted FIR/FIN Message	DNP[MCU]	All	A single-frame fragment was successfully processed by the application layer and is being removed from the transport function buffers. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2: **Fragment Length** Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
0825	2085	App Layer Accepted FIN Only Message	DNP[MCU]	All	A multi-frame fragment was successfully processed by the application layer and is being removed from the transport function buffers. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2: **Fragment Length** Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort

0826	2086	Frame Addition Unsuccessful	DNP[MCU]	Extended	A newly received frame of a multi-frame fragment was unable to be added to the fragment due to the 2k fragment size restriction. The fragment was discarded. Data 1: **Transport Header of Fragment** Data1 Type: DNPTransportHeader Data 2: **Transport Header of Frame** Data2 Type: DNPTransportHeader Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
0827	2087	Fragment Not Found	DNP[MCU]	Extended	A matching fragment was not found in the buffers for a newly received frame of a multi-frame fragment. The frame was discarded. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2:Debug Data Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
0828	2088	Transp. Layer Xmit Frag Too Long	DNP[MCU]	Extended	The application layer was requested to send a fragment larger than the 2k size limitation. Data 1: **Fragment Length** Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0829	2089	Transp. Layer TX Frag Buffer Full	DNP[MCU]	Extended	No free buffer was found in the transport function transmit buffers. The application layer may save this message and reattempt to transmit. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
082A	2090	Frame Accepted by Data Link Layer	DNP[MCU]	All	A single frame was successfully handed off to the data link layer for transmit. Note that this may be a single frame of a multi-frame fragment. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Transport Header** Data3 Type: DNPTransportHeader Data 4: **Frame Length** Data4 Type: ushort
082B	2091	Message Timed Out on Receive List	DNP[MCU]	Extended	A fragment was removed from the transport function receive buffer after an extended period of inactivity. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2:Debug Data Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
082C	2092	Message Timed Out on Transmit List	DNP[MCU]	Extended	A fragment was removed from the transport function transmit buffer after an extended period of inactivity. Data 1: **Transport Header** Data1 Type: DNPTransportHeader Data 2:Debug Data Data2 Type: ushort Data 3: **Source Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
082D	2093	Removed Deferred Read	DNP[MCU]	Extended	A DNP read request that was deferred due to an outstanding unsolicited message was removed due to reception of a newer

		Request			request. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
082E	2094	Frame Declined by Datalink	DNP[MCU]	Extended	The datalink layer was unable to accept the request to transmit this frame. The frame transmit will be retried until it is accepted or the message times out on the transmit list. Data 1: Error code returned by OS Data1 Type: ushort Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Transport Header** Data3 Type: DNPTransportHeader Data 4: **Frame Length** Data4 Type: ushort
082F	2095	Port Undefined in Transport	DNP[MCU]	All	Data 1: **Destination Addrss** Data1 Type: ushort
0840	2112	Reset Peer Link Sent	DNP[MCU]	Extended	A Reset data link frame was sent to a peer device in an attempt to reinitialize peer-to-peer communications. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0841	2113	Reset Peer Link Received	DNP[MCU]	Extended	A Reset data link frame was received from the reported peer device. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Action Taken 1=record reinit 2=reset seq num only 3=new peer added** Data2 Type: DNPDLAction Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0842	2114	Msg Taken Off Xmit List - No Peer	DNP[MCU]	Extended	The destination peer device was not found in the peer list, possibly due to a change in configuration. The message was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Application Control** Data3 Type: DNPAppControl Data 4: **Function Code** Data4 Type: DNPAppFunctionCode
0843	2115	Set URBE Timer Error	DNP[MCU]	Extended	An error was detected when attempting to start an internal timer. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0844	2116	No URBE Delay Timer	DNP[MCU]	Extended	No free timer was found when attempting to start an internal timer. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0845	2117	Duplicate Fragment Received	DNP[MCU]	Extended	The application layer detected reception of a duplicate fragment. The previous response will be resent. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress

					Data 3: **Application Control** Data3 Type: DNPAppControl Data 4:Debug Data Data4 Type: ushort
0846	2118	App. Layer Xmit Fragment Too Long	DNP[MCU]	Extended	The application layer was requested to send a fragment larger than the 2k size limitation. Data 1: **Fragment Length** Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0847	2119	App. Layer TX Fragment Buffer Full	DNP[MCU]	Extended	No free buffer was found in the application layer transmit list. The fragment may be retried or discarded. Data 1: Code Location Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0848	2120	Invalid Fragment Length Received	DNP[MCU]	Extended	The application layer detected a fragment with an invalid length. The valid rand is from 2 to 2048 bytes. The fragment was discarded. Data 1: **Fragment Length** Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0849	2121	Incorrect Amount of Data Received	DNP[MCU]	Extended	The application layer detected an inconsistency in the amount of data in the fragment. The fragment was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Reported Length** Data2 Type: ushort Data 3: **Actual Length** Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
084A	2122	Fragment Timed Out on Transmit List	DNP[MCU]	Extended	The fragment was removed from the application layer transmit list after an extended period of inactivity. This will normally only occur if the transport function and data link layer are unable to service transmit requests. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Application Control** Data3 Type: DNPAppControl Data 4: **Function Code** Data4 Type: DNPAppFunctionCode
084B	2123	App Layer Accepted Good Fragment	DNP[MCU]	All	The application layer successfully accepted a complete fragment from the transport function. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Data Length** Data2 Type: ushort Data 3: **Application Control** Data3 Type: DNPAppControl Data 4: **Function Code** Data4 Type: DNPTranspFunctionCode
084C	2124	Peer Device Buffer Full	DNP[MCU]	Extended	A peer device was unable to be added to the peer device list due to the buffer being full. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
084D	2125	Peer Device Already on List	DNP[MCU]	Extended	Addition of the peer device to the list was unsuccessful because the device is already on the list.

					Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
084E	2126	Peer Device Removed From List	DNP[MCU]	Extended	The peer device was successfully removed from the peer device list. Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2: **Connection ID** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
084F	2127	Peer Device Added to List	DNP[MCU]	Extended	The peer device was successfully added to the peer device list. Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2: **Connection ID** Data2 Type: ConnectionID Data 3: **Port Code** Data3 Type: PortCode Data 4:Master Number Data4 Type: Master
0850	2128	FIR/FIN Not Set	DNP[MCU]	Extended	The application layer found that the FIR and FIN bits of the Application Control byte were not set. The fragment was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Application Control** Data3 Type: DNPAppControl Data 4:Debug Data Data4 Type: ushort
0851	2129	Sequence Number Mismatch	DNP[MCU]	Extended	The application layer found that the sequence number in the Application Control byte was inconsistent with what was expected. The fragment was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Application Control** Data3 Type: DNPAppControl Data 4:Debug Data Data4 Type: ushort
0852	2130	Transient Peer Dev Addition Issue	DNP[MCU]	Extended	The source of this fragment was unknown so an attempt was made to add it to the peer device list. The attempt was unsuccessful so the fragment was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Application Control** Data2 Type: DNPAppControl Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0853	2131	No Peer Record Found During Xmit	DNP[MCU]	Extended	A transmit was attempted to a device that was not found on the peer device list. The transmit was aborted. Data 1: Code Location Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0854	2132	URBE Registration Buffer Full	DNP[MCU]	Extended	The buffer containing callback functions for unsolicited messages was full when attempting to add another function. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0855	2133	Peer Device Not on List	DNP[MCU]	Extended	The requested peer device was not found on the peer device list when attempting to remove the device from the list.

					Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0856	2134	Initial Unsolicited Msg Confirmed	DNP[MCU]	Extended	Indicates that a confirmation message was received for the unsolicited null messages that must be sent on power up. Data 1: **Callback Status** Data1 Type: CallbackStatus Data 2:RTU Address Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0857	2135	URBE Enabled Via SCADA	DNP[MCU]	Extended	Unsolicited Report by Exception processing was enabled over SCADA. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **URBE Status** Data2 Type: URBEStatus Data 3:Active URBE Class Mask Data3 Type: ActiveURBEClassMask Data 4:Debug Data Data4 Type: ushort
0858	2136	URBE Disabled Via SCADA	DNP[MCU]	Extended	Unsolicited Report by Exception processing was disabled over SCADA. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **URBE Status** Data2 Type: URBEStatus Data 3:Active URBE Class Mask Data3 Type: ActiveURBEClassMask Data 4:Debug Data Data4 Type: ushort
0859	2137	Port Code Invalid	DNP[MCU]	Extended	An invalid port code was detected when attempting to add a peer device to the peer device list. Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2: **Invalid Port Code value** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
085A	2138	Cold Restart Requested	EVT[MCU]	Normal	A cold restart of the control has been requested over SCADA, and will be performed in two seconds. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
085B	2139	Function Code Not Implemented	DNP[MCU]	Extended	The application layer received a message containing a DNP function code that is invalid or is not implemented. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Function Code** Data3 Type: DNPAppFunctionCode Data 4:Debug Data Data4 Type: ushort
085C	2140	Unknown Master Access Restricted	DNP[MCU]	Extended	A device that was previously unknown has requested an action that is restricted to configured master stations. The restricted actions are writes, select/operate and cold restart. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Function Code** Data3 Type: DNPAppFunctionCode Data 4:Debug Data Data4 Type: ushort

085D	2141	Peer Device Modified on List	DNP[MCU]	Extended	The peer device was successfully modified on the peer device list. Data 1: **Peer RTU Address** Data1 Type: RTUAddress Data 2: Code Location Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Master Number Data4 Type: ushort
085E	2142	Request time synch received	DNP[MCU]	All	A response was received with the need-time IIN set and a time sync is being attempted. Data 1: **Status** Data1 Type: EVTboolean Data 2: **Source Address** Data2 Type: RTUAddress Data 3: **Destination Address** Data3 Type: RTUAddress Data 4:Debug Data Data4 Type: ushort
085F	2143	P2P Bad transmit fragment length	DNP[MCU]	All	Data 1: **Length of Fragment** Data1 Type: ushort Data 2:Debug text Data2 Type: ushort Data 3:Debug text Data3 Type: ushort Data 4:Debug text Data4 Type: ushort
0860	2144	P2P Transmit fragment buffer full	DNP[MCU]	Normal	
0861	2145	P2P No peer device record	DNP[MCU]	All	Data 1: **Destination Address** Data1 Type: ushort
0862	2146	P2P Fragment declined by transport	DNP[MCU]	Extended	Data 1: **Result Code** Data1 Type: ushort Data 2: **Destination Address/Code** Data2 Type: ushort Data 3: **Fragment Length** Data3 Type: ushort Data 4: **Code Location** Data4 Type: ushort
0863	2147	P2P No peer for received fragment	DNP[MCU]	All	Data 1: **Peer Address** Data1 Type: ushort
0864	2148	P2P Application layer CRC error	DNP[MCU]	All	Data 1: **Source Address** Data1 Type: ushort Data 2: **Local Address** Data2 Type: ushort Data 3: **Expected Sequence Number** Data3 Type: ushort
0865	2149	P2P App layer sequence error	DNP[MCU]	Extended	Data 1: **Source Address** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort Data 3: **Expected sequence number** Data3 Type: ushort Data 4: **Received sequence number** Data4 Type: ushort
0866	2150	P2P Unknown peer access restricted	DNP[MCU]	Extended	Data 1: **Local Peer Addr** Data1 Type: ushort Data 2: **Source Peer Addr** Data2 Type: ushort Data 3: **Requested Function** Data3 Type: ushort Data 4: **Connection ID** Data4 Type: ushort
0867	2151	P2P Error block received from peer	DNP[MCU]	Normal	Data 1: **Source Addr** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort

					Data 3: **Errant Object** Data3 Type: ushort Data 4: **Errant Code** Data4 Type: ushort
0868	2152	P2P Function code not implemented	DNP[MCU]	All	Data 1: **Local Peer Addr** Data1 Type: ushort Data 2: **Source Peer Addr** Data2 Type: ushort Data 3: **Requested Function** Data3 Type: ushort Data 4: **Connection ID** Data4 Type: ushort
0869	2153	P2P Peer not P2P compatible	DNP[MCU]	All	Data 1: **Destination Address** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort
086A	2154	P2P Protocol not recognized	DNP[MCU]	All	Data 1: **Protocol Type** Data1 Type: ushort
086B	2155	P2P Error found in response data	DNP[MCU]	Extended	Data 1: **Source Address** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort Data 3: **Errant Object** Data3 Type: ushort Data 4: **Errant Code** Data4 Type: ushort
086C	2156	Association reset link sent	DNP[MCU]	All	Data 1: **Source Addr** Data1 Type: ushort Data 2: **Destination Addr** Data2 Type: ushort Data 3: **Port ID** Data3 Type: ushort
086D	2157	Association reset link send failed	DNP[MCU]	Extended	Data 1: **Source Addr** Data1 Type: ushort Data 2: **Destination Addr** Data2 Type: ushort Data 3: **Port ID** Data3 Type: ushort
086E	2158	Association reset link ack rcvd	DNP[MCU]	All	Data 1: **Peer Addr** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort
086F	2159	P2P Association test sent	DNP[MCU]	All	Data 1: **Destination Addr** Data1 Type: ushort
0870	2160	P2P Association test unsuccessful	DNP[MCU]	Extended	Data 1: **Destination Addr** Data1 Type: ushort
0871	2161	P2P Association test response rcvd	DNP[MCU]	All	Data 1: **Peer Device Address** Data1 Type: ushort Data 2: **P2P Support Flag** Data2 Type: ushort Data 3: **MTU Size** Data3 Type: ushort
0872	2162	P2P Support query received	DNP[MCU]	All	Data 1: **Source Address** Data1 Type: ushort
0873	2163	P2P Reset Association frame sent	DNP[MCU]	All	Data 1: **Peer Device Address** Data1 Type: ushort
0874	2164	Association negotiation incomplete	DNP[MCU]	Extended	Data 1: **Destination Address** Data1 Type: ushort Data 2: **Association State** Data2 Type: ushort

0875	2165	P2P Xmt temporarily suspended	DNP[MCU]	All	Data 1: **Destination Addr** Data1 Type: ushort Data 2: **Connection ID** Data2 Type: ushort Data 3: **Suspend Countdown Timer Value** Data3 Type: ushort
0876	2166	P2P App layer fragment xmit	DNP[MCU]	All	Data 1: **Transmit Result Code** Data1 Type: ushort Data 2: **Destination Addr** Data2 Type: ushort Data 3: **Port ID** Data3 Type: ushort Data 4: **Fragment Length** Data4 Type: ushort
0877	2167	Local/Remote Callback Registered	DNP[MCU]	Normal	
0880	2176	Special Function Buffer Full	DNP[MCU]	Extended	An attempt by the application to register a special memory read/write function was rejected because the buffer was full. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0881	2177	Special Function Already on List	DNP[MCU]	Extended	An attempt by the application to register a special memory read/write function was rejected because a special function for that memory location already exists in the buffer. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0882	2178	Error in Object Parse	DNP[MCU]	Extended	The header or data portion of an object that was returned in a response message was invalid or otherwise unexpected. If possible other objects within the response will still be processed. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **Source Address** Data2 Type: RTUAddress Data 3: **Destination Address** Data3 Type: RTUAddress Data 4: Data4 Type: ushort
0883	2179	Object Variation Error	DNP[MCU]	Extended	The variation of the object that was returned in the response message is invalid or unsupported. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **Source Address** Data2 Type: RTUAddress Data 3: **Destination Address** Data3 Type: RTUAddress Data 4: **Variation** Data4 Type: DNPObjectVariation
0884	2180	Object Qualifier Error	DNP[MCU]	Extended	The qualifier code of the object that was returned in the response message is invalid or unsupported. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **Source Address** Data2 Type: RTUAddress Data 3: **Destination Address** Data3 Type: RTUAddress Data 4: **Invalid Qualifier/ Index code** Data4 Type: ushort
0885	2181	Parsed Data Buffer Full	DNP[MCU]	Extended	The data buffer containing the parsed object data is full. No further parsing of this response message will take place. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **Source Address** Data2 Type: RTUAddress

					Data 3: **Destination Address** Data3 Type: RTUAddress Data 4: **Variation** Data4 Type: DNPObjectVariation
0886	2182	Object Header Error	DNP[MCU]	Extended	An error was detected in the object header of the DNP message. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Object Type** Data3 Type: DNPObjectType Data 4: **Variation** Data4 Type: DNPObjectVariation
0887	2183	Error Assembling Object Header	DNP[MCU]	Extended	An error was detected in the object header during assembly of a response message. The response process was aborted. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Destination Address** Data2 Type: RTUAddress Data 3: **Object Type** Data3 Type: DNPObjectType Data 4: **Variation** Data4 Type: DNPObjectVariation
0888	2184	Invalid Object Range Index	DNP[MCU]	Extended	An error was detected in an object header of the current request message related to the data index values. An attempt will be made to process other objects within the message. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **First Index or Index Size** Data2 Type: ushort Data 3: **Last Index or Qualifier** Data3 Type: ushort Data 4: Code Location Data4 Type: ushort
0889	2185	Fragment Data Size Error	DNP[MCU]	Extended	The amount of data available in the fragment was not consistent with the expected amount of data. The fragment was discarded. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Data Length** Data2 Type: ushort Data 3: **Data Index** Data3 Type: ushort Data 4: Code Location Data4 Type: ushort
088A	2186	Object/Variation Not Supported	DNP[MCU]	Extended	The object being processed does not include a support object and variation combination. An attempt will be made to continue parsing other objects within the message. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Object Type** Data2 Type: DNPObjectType Data 3: **Variation** Data3 Type: DNPObjectVariation Data 4: Code Location Data4 Type: ushort
088B	2187	Special Function Registered	DNP[MCU]	Extended	A special function related to a specific memory action and virtual memory address was successfully added to the list. Data 1: **VMFunctionCode** Data1 Type: VMFunctionCode Data 2: **Memory Address** Data2 Type: VAddr16 Data 3:Debug Data Data3 Type: VAddr16 Data 4:Debug Data Data4 Type: ushort
088C	2188	Virtual Memory Read or Write Error	DNP[MCU]	Extended	A request to read or write virtual memory addresses was unsuccessful. Data 1: **Source Address** Data1 Type: RTUAddress Data 2: **Memory Address** Data2 Type: VAddr16 Data 3: Result Code returned by OS Data3 Type: ushort Data 4: **Action** Data4 Type: VMAccessAction
088D	2189	SBO Select Timer Unavailable	DNP[MCU]	Extended	An internal timer was not available to perform the select-before-operate timing function. The operation request was aborted. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
088E	2190	SBO Select Timer Error	DNP[MCU]	Extended	An error was detected when attempting to initialize a select-before-operate timer. The operation request was aborted. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **SBO Timer Value** Data2 Type: SBOTimerValue Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
088F	2191	Issue With Output Block	DNP[MCU]	All	An operation request was unsuccessful due to an issue in the Control Relay Output Block of the message. See DNP documentation for a complete list of DNP Output Block status codes. Data 1: **Object Type** Data1 Type: DNPObjectType Data 2: **DNP Output Block Status Code** Data2 Type: DNPOutputBlockStatusCode Data 3: **Point Number** Data3 Type: ushort Data 4: **Function Code** Data4 Type: DNPAppFunctionCode
08A0	2208	Control Point Function Registered	DNP[MCU]	Extended	A control point special function was successfully added to the list. This function connects a control operation with functionality elsewhere in the application. Data 1: **Point Code** Data1 Type: DNPPointCode Data 2: **Associated RTU Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A1	2209	Control Point Code Not Mapped	DNP[MCU]	Extended	A control point special function was not added to the list because the control point is not yet included in the point mapping configuration. Data 1: **Point Code** Data1 Type: DNPPointCode Data 2: **Associated RTU Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A2	2210	Change to Point Map Detected	DNP[MCU]	All	A configuration change to a point map was detected. This change will be processed 30 seconds after the last change is detected. Data 1: **Map Number** Data1 Type: MapNumber Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A3	2211	Error in Getting Map Timer	DNP[MCU]	Extended	An error was detected when attempting to initialize a map-change timer. The operation will be retried. Data 1: **Map Number** Data1 Type: MapNumber Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A4	2212	Point Processing Timer Unavailable	DNP[MCU]	Extended	An internal timer was not available to perform the routing table configuration change timing function. DNP initialization will be aborted. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

08A5	2213	Point Map Reinitialized	DNP[MCU]	Normal	The point map was successfully reinitialized following completion of changes to the point map configuration. Data 1: **Map Number** Data1 Type: MapNumber Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A6	2214	Point Definition Invalid	DNP[MCU]	Extended	An issue was found in the configuration data of a mapped point. The map will not be initialized until the error is corrected. Data 1: **Map Number** Data1 Type: MapNumber Data 2: **Point Index** Data2 Type: ushort Data 3: **Error Data** Data3 Type: ushort Data 4: Code Location Data4 Type: ushort
08A7	2215	Input Point Code Not Mapped	DNP[MCU]	Extended	The application attempted to supply input data for a point that was not included in the configured point mapping. Data 1: **Point Type** Data1 Type: DNPPointType Data 2: **Point Code** Data2 Type: DNPPointCode Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08A9	2217	Event Buffer Overflow	DNP[MCU]	Extended	An overflow condition has been reached for the event buffer of the reported point type. The oldest event will be removed to make room for this new event, and the overflow IIN bit will be set. Data 1: **DNP Point Type** Data1 Type: DNPPointType Data 2:Master Number Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08AA	2218	Analog Output Function Registered	DNP[MCU]	Extended	An analog output point special function was successfully added to the list. This function connects an Analog output operation with functionality elsewhere in the application. Data 1: **Point Code** Data1 Type: DNPPointCode Data 2: **Associated RTU Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08AB	2219	Analog Output Code Not Mapped	DNP[MCU]	Extended	An analog output point special function was not added to the list because the analog output point is not yet included in the point mapping configuration. Data 1: **Point Code** Data1 Type: DNPPointCode Data 2: **Associated RTU Address** Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08AC	2220	Map Change Callback Buffer Full	DNP[MCU]	Extended	A special function to be used to inform the application about map changes was unable to be added to the list. The list was full. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08AD	2221	Map Change Callback Registered	DNP[MCU]	Extended	A special function to be used to inform the application about map changes was successfully added to the list. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C0	2240	Route Processing Timer Unavailable	DNP[MCU]	Extended	An internal timer was not available to perform the map-change timing function. DNP initialization will be aborted. Data 1: **Map Number** Data1 Type: MapNumber Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C1	2241	Route Entry Invalid	DNP[MCU]	Extended	An issue was found with one of the configured route entries. The route table will not be initialized until the issue is corrected. Data 1: **Route RTU Address** Data1 Type: RTUAddress Data 2: **Route Table Index** Data2 Type: ushort Data 3: **Route Entry Error** Data3 Type: RouteEntryError Data 4:Debug Data Data4 Type: ushort
08C2	2242	Route Could Not be Added	DNP[MCU]	Extended	The routing table did not have room for the new route. The route table will not be initialized. Data 1: **Route RTU Address** Data1 Type: RTUAddress Data 2: **Route Table Index** Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C3	2243	Route Table Initialized	DNP[MCU]	Normal	The route table was successfully initialized with configured routes and routing was enabled. Data 1: **Count of Routes** Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C4	2244	Route Configuration Change Detected	DNP[MCU]	All	A configuration change to the routing table was detected. This change will be processed 30 seconds after the last change is detected Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C5	2245	Error in Route Change Timer	DNP[MCU]	Extended	An error was detected when attempting to initialize a route table-change timer. The operation will be retried. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C6	2246	Pass-Through Routing Enabled	DNP[MCU]	Normal	A valid pass-through route configuration was found and pass-through routing was enabled. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C7	2247	Pass-Through Routing Disabled	DNP[MCU]	Normal	A valid pass-through route configuration was not found and pass-through routing was disabled. Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort

					Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C8	2248	DNP Diag Test Start	DNP[MCU]	Normal	Data 1: **Test Type** Data1 Type: DiagTestType Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08C9	2249	DNP Diag KeepAlive Start	DNP[MCU]	Normal	Data 1: **Test Type** Data1 Type: DiagTestType Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CA	2250	DNP Diag Test Ending	DNP[MCU]	Normal	Data 1: **Test Type** Data1 Type: DiagTestType Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CB	2251	DNP Diag KeepAlive End	DNP[MCU]	Normal	Data 1: **Test Type** Data1 Type: DiagTestType Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CC	2252	DNP Diag Ping Timeout	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CD	2253	DNPDiag Send Error	DNP[MCU]	Normal	Data 1: **DNP Address** Data1 Type: DNPAddress Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CE	2254	DNP Diag Max Peers	DNP[MCU]	Normal	Data 1: **Max Peers When This Occurs** Data1 Type: MaxPeersWhen Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08CF	2255	DNP Diag No Peers	DNP[MCU]	Normal	Data 1: **No Peers When This Occurs** Data1 Type: NoPeersWhen Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D0	2256	DNPDiag Test Suspended	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort

08D1	2257	DNPDiag Test Resumed	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D2	2258	DNPDiag WatchDog Triggered	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D3	2259	DNP Comm Sys Alarm On	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D4	2260	DNP Comm Sys Alarm Off	DNP[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D5	2261	No Diagnostics On Peer. Cannot Test.	DNP[MCU]	All	Remote Peer does not have diagnostics installed, so tests cannot be performed with it. Data 1: **DNP Address** Data1 Type: DNPAddress Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08D6	2262	Switching to Failover Master	DNP[MCU]	Extended	Switching to Failover Master Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Master Number Data4 Type: ushort
08D7	2263	Switching to Master Primary	DNP[MCU]	Extended	Switching to Master Primary Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Master Number Data4 Type: ushort
08D8	2264	Master Wrong IP Addr Cmd Rejected	DNP[MCU]	Extended	Switching to Master Primary Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Port Code Data4 Type: ushort
08D9	2265	Invalid Master Cmd Rejected	DNP[MCU]	Extended	Switching to Master Primary Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Function Code Data4 Type: Hexushort
08DA	2266	Master has wrong port type Cmd	DNP[MCU]	Extended	Switching to Master Primary

		Rejected			Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Port Code Data4 Type: ushort
08DB	2267	Master used reserved addr. Cmd Rejected	DNP[MCU]	Extended	Switching to Master Primary Data 1: **Master RTU Address** Data1 Type: RTUAddress Data 2: **IP addr first half** Data2 Type: Hexushort Data 3:IP addr second half Data3 Type: Hexushort Data 4:Port Code Data4 Type: ushort
08DC	2268	SCADA Set Date/Time	DNP[MCU]	All	SCADA Set Date/Time Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08DD	2269	Recorded Time is 0	DNP[MCU]	All	Recorded Time is 0 Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
08DE	2270	Cold Restart Command Disabled	DNP[MCU]	All	Cold Restart Command Disabled Data 1:Debug Data Data1 Type: RTUAddress Data 2:Debug Data Data2 Type: RTUAddress Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ushort
0B00	2816	Disk Error	CFM[MCU]	All	Data 1:Trace Info Data1 Type: ushort Data 2:Error Code Data2 Type: ushort
0B01	2817	File Allocation In Progress	CFM[MCU]	Normal	
0B02	2818	File Allocation Not In Progress	CFM[MCU]	Normal	
0B03	2819	File Allocation Issue	CFM[MCU]	All	Data 1:Trace Info Data1 Type: ushort Data 2:Error Code Data2 Type: ushort
0B04	2820	Compact Flash Card Not Found	CFM[MCU]	Extended	Data 1:Debug Info (Card State) Data1 Type: ushort
0B05	2821	Disk Check Issue	CFM[MCU]	All	Data 1:Error Code Data1 Type: ushort
0B06	2822	Set Bad Disk Condition to On	CFM[MCU]	Normal	
0B07	2823	Set Bad Disk Condition to Off	CFM[MCU]	Normal	
0B08	2824	Allocated File Size Exceeded	CFM[MCU]	All	Data 1:File Class Data1 Type: ushort Data 2: **Allocated Size (kB)** Data2 Type: ushort Data 3: **Written Size (kB)** Data3 Type: ushort

0B09	2825	Shutdown Processing CFM	CFM[MCU]	Normal	Data 1:Trace Info Data1 Type: ushort
0B0A	2826	CF Disk Was Tampered With	CFM[MCU]	Normal	Directory Contents Corruption Was Detected on Startup.
0B0B	2827	CF Disk Tampered Indication Cleared	CFM[MCU]	Normal	Directory Contents Corruption Was Detected on Startup.
0E01	3585	Xfer Trip PR Initiated (DG POI) Active	DAT[MCU]	Normal	Xfer Trip PR Initiated (DG POI) Active Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E02	3586	Xfer Trip PR Initiated (DG POI) Inactive	DAT[MCU]	Normal	Xfer Trip PR Initiated (DG POI) Inactive Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E03	3587	Transfer Trip Sent Active	DAT[MCU]	Normal	Transfer Trip Sent Active Data 1: Data1 Type: RTUAddress Data 2: Data2 Type: SWPos Data 3: Data3 Type: RTUAddress Data 4: Data4 Type: ushort
0E04	3588	Transfer Trip Sent Inactive	DAT[MCU]	Normal	Transfer Trip Sent Inactive Data 1: Data1 Type: RTUAddress Data 2: Data2 Type: SWPos Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E05	3589	DG Reconnect Disqualified On Fault	DAT[MCU]	Normal	DG Reconnect Disqualified On Fault Data 1: Data1 Type: TeamNumberWithUnknown Data 2: Data2 Type: BooleanTrueFalse Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E06	3590	Sw1 Auto Manl Op. Clear Timer Stopped	DAT[MCU]	Normal	Sw1 Auto Manual Operation Clearing Timer Stopped Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E07	3591	Sw2 Auto Manl Op. Clear Timer Stopped	DAT[MCU]	Normal	Sw2 Auto Manual Operation Clearing Timer Stopped Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
0E08	3592	Sw2 Auto Manl Op. Clear Timer Started	DAT[MCU]	Normal	Sw2 Auto Manual Operation Clearing Timer Started Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort

1201	4609	Originating a SRC Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1202	4610	Received Old Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1203	4611	Received Duplicate Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1204	4612	Received New Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1205	4613	Forwarding a Received Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1206	4614	Originating an Endload Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1207	4615	COS Cleared	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1208	4616	Team Config Netlist Mismatch	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1209	4617	COS Active	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120A	4618	Missing Runners	NET[MCU]	Normal	Data 1: **This state provides a user programmable time delay**

					before starting the runners repeated after each successful round of collection + distribution Data1 Type: StatusFeedbackArea Data 2: **Runner's Quantity** Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120B	4619	All Runners Received	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120C	4620	NETLIST no alt source found	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120D	4621	NETLIST alt source result	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120E	4622	Building COS Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
120F	4623	COS Reported by IT	NET[MCU]	All	Data 1: **Local Load COS** Data1 Type: ushort Data 2: **Average Load** Data2 Type: ushort Data 3: **3-Phase Average Load** Data3 Type: ushort Data 4: **Team Member Number** Data4 Type: TeamRecord
1210	4624	COS Received in Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1211	4625	Forwarding Dup. COS Runner	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1212	4626	Loc Netlist Old. Need it From RTU	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1213	4627	New Netlist Request From RTU	NET[MCU]	All	Data 1:Null Data1 Type: ushort

					Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1214	4628	Netlist Record Sent	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1215	4629	Netlist Record Received	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1216	4630	ITII Mode is Active	NET[MCU]	Normal	Data 1:Instance Data1 Type: Instance Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1217	4631	ITII Mode is Inactive	NET[MCU]	Normal	Data 1:Instance Data1 Type: Instance Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1218	4632	NET: Missing Runners in Adj Net Active	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1219	4633	NET: Missing Runners Adj Net Inactive	NET[MCU]	All	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1220	4640	NETX Adj data delivery runner timeout	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1221	4641	NETX Adj data delivery runner initiated	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1222	4642	NETX Indiv Adj Data Runner Path Timeout	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort

1223	4643	NETX Indiv Adj Data Runner Path Present	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1241	4673	NETV: Netlist Changed	NET[MCU]	Normal	Data 1: **Netview number of devices/switches in DivisionNet** Data1 Type: NumOfDevices Data 2: **Number of entries in the D-W (Device-Wire) tables** Data2 Type: NumOfWirePairs Data 3: **Number of Teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort
1242	4674	NETV: Network Config. Changed	NET[MCU]	Normal	Data 1: **Number of rows in table for DivisionNet** Data1 Type: NumOfRows Data 2: **Number of power sources in DivisionNet** Data2 Type: NumOfPowSrc Data 3: **Net View Analyzer** Data3 Type: NetViewAnalyzer Data 4:Number is there for debugging use Data4 Type: ushort
1250	4688	NETX dispatch intiated	NET[MCU]	Normal	Data 1: **Net Object Type** Data1 Type: RunnerType Data 2: **Source RTU Address** Data2 Type: RTUAddress Data 3: **Source Node ID** Data3 Type: SrcNodeID Data 4: **Destination Node ID** Data4 Type: DestNodeID
1251	4689	NETX EPD netlist received	NET[MCU]	Normal	Data 1: **Net Object ID** Data1 Type: ObjID Data 2: **Size of the arriving object in bytes, also a flag/signal of arrival to State machine A** Data2 Type: SizeOfObject Data 3: **Net Object Length** Data3 Type: ObjectLength Data 4: **Bufsiz** Data4 Type: bufsiz
1252	4690	NETX Net list trouble	NET[MCU]	Normal	Data 1: **Net Object ID** Data1 Type: ObjID Data 2: **Size of the arriving object in bytes, also a flag/signal of arrival to State machine A** Data2 Type: SizeOfObject Data 3: **Net Object Length** Data3 Type: ObjectLength Data 4: **Bufsiz** Data4 Type: bufsiz
1253	4691	NETX bad runner index	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
1254	4692	NETX node index not found	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Node Index** Data3 Type: NodeIndex Data 4: **Net Object Type** Data4 Type: RunnerType
1255	4693	NETX bad object data length	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress

					Data 2: **Net Object Length** Data2 Type: ObjectLength Data 3: **Data Length** Data3 Type: DataLength Data 4: **Net Object Type** Data4 Type: RunnerType
1256	4694	NETX new netlist delivery	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **Size of runner in RTU addresses** Data4 Type: RTUAddress
1257	4695	NETX chk for comm chk runner's passing	NET[MCU]	Normal	NETX check for communication check runner's passing Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **Feeder Net ID** Data4 Type: FeederNetID
1258	4696	NETX chk for comm chk runner's return	NET[MCU]	Normal	NETX check for communication check runner's return Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **Feeder Net ID** Data4 Type: FeederNetID
1259	4697	NETX intiate communication check runner	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
125A	4698	NEX communication check runner's timeout	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
125B	4699	NETX communication check runner complete	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
125C	4700	NETX activation runner return	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **Size of runner in RTU addresses** Data4 Type: RTUAddress
125D	4701	NETX activation of the runner's passing	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **Size of runner in RTU addresses** Data4 Type: RTUAddress
125E	4702	NETX activation of runner's intiation	NET[MCU]	Normal	Data 1: **RETV:AT EPD Launch all the Activation Runners to**

					the next RTU in line Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
125F	4703	NETX activation of runner is complete	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1260	4704	NETX activation of runner's timout	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1261	4705	NETX collection runner return	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **FeederNetID** Data4 Type: FeederNetID
1262	4706	NETX collection runner's passing	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **FeederNetID** Data4 Type: FeederNetID
1263	4707	NETX collection as the runner intiates	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1264	4708	NETX collection of runner's timeout	NET[MCU]	Normal	Data 1: **RETV:AT EPD Launch all the Activation Runners to the next RTU in line** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1265	4709	NETX data delivery runner's return	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **FeederNetID** Data4 Type: FeederNetID
1266	4710	NETX data delivery of runner's passing	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4: **FeederNetID** Data4 Type: FeederNetID
1267	4711	NETX data delievery runner is intitiated	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort

					Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1268	4712	NETX data delivery of runner's timeout	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1269	4713	NETX Feeder Net delivery to intiate rnr	NET[MCU]	Normal	NETX Feeder Net delivery to intiate runner Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
126A	4714	NETX Feeder Net runner delivery complete	NET[MCU]	Normal	>NETX Feeder Net delivery of runner is complete Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
126B	4715	NETX Feeder Net delivery rnr's timeout	NET[MCU]	Normal	NETX Feeder Net delivery runner's timeout Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
126C	4716	NETX data runner's cycle is complete	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
126D	4717	NETX continue adjacent distributrers	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination Node ID** Data2 Type: DestNodeID Data 3: **Runner Number** Data3 Type: RunnerNumber Data 4:Null Data4 Type: ushort
126E	4718	NETX inti adj Feeder Net distributers	NET[MCU]	Normal	NETX intiate adjacent Feeder Net distributers Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4: **Net Object Length** Data4 Type: ObjectLength
126F	4719	NETX init adjacent data block reporter	NET[MCU]	Normal	NETX intiate adjacent data block reporter Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4: **Net Object Length** Data4 Type: ObjectLength
1270	4720	NETX fwd adjacent data block reporter	NET[MCU]	Normal	NETX forward adjacent data block reporter Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4: **Net Object Length** Data4 Type: ObjectLength

1271	4721	NETX sync net list to DAT delayed	NET[MCU]	Normal	Data 1: **SyncStat** Data1 Type: syncstat Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1272	4722	NETX sync net list to DAT is not good	NET[MCU]	Normal	Data 1: **SyncStat** Data1 Type: syncstat Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1273	4723	NETX netlist copy request	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net object ID** Data2 Type: ObjID Data 3: **Feeder Net ID** Data3 Type: FeederNetID Data 4: **Feeder Net CRC** Data4 Type: FeederNetCRC
1274	4724	NETX netlist copy response	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Feeder Net ID** Data3 Type: FeederNetID Data 4: **Feeder Net CRC** Data4 Type: FeederNetCRC
1275	4725	NETX Feeder Net ID and CRC mismatch	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4: **Net Object Type** Data4 Type: RunnerType
1276	4726	NETX netlist reporter returned	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4: **Object Length** Data4 Type: ObjectLength
1277	4727	NETX forward net list reporter	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4: **Object Length** Data4 Type: ObjectLength
1278	4728	NETX net list copy intiate	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1279	4729	NETX report adj netlist distributers	NET[MCU]	Normal	NETX report adjacent netlist distributers Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
127A	4730	NETX report adjacent data block	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort

					Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1280	4736	Configuration is in progress	NET[MCU]	Normal	Data 1: **Instance** Data1 Type: Instance Data 2: **Source RTU Address** Data2 Type: RTUAddress Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4: **Feeder Net ID** Data4 Type: FeederNetID
1281	4737	Configuration is not in progress	NET[MCU]	Normal	Data 1: **Previous State** Data1 Type: StatusFeedbackArea Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
1283	4739	Settings Accepted	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1284	4740	Settings Received	NET[MCU]	Normal	If Data 4 reads 10 then Data 4 = Net Object State Revived Command Data 1: **Net View number of devices in DivisionNet** Data1 Type: ushort Data 2: **Error Code 1** Data2 Type: Hexushort Data 3: **Error Code 2** Data3 Type: Hexushort Data 4:Null Data4 Type: ushort
1285	4741	Netlist Propagation Enabled	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1286	4742	Netlist Propagation Disabled	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1290	4752	Netlist Loaded From BMM	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1291	4753	Netlist BMM Load Issue	NET[MCU]	Normal	Data Field 1 could be the BMM_Result in which case please refer to the "BMMRESULT" DataType Data 1: **Bmm_State** Data1 Type: BMMSTATE Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1292	4754	Netlist Saved To BMM	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort

					Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1293	4755	Netlist BMM Save Issue	NET[MCU]	Normal	Data Field 1 could be the BMM_Result in which case please refer to the "BMMRESULT" DataType Data 1: **Bmm_State** Data1 Type: BMMSTATE Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
1294	4756	Netlist Was Erased	NET[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort
12A0	4768	NETO buffer pool intialized	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
12A1	4769	NETO combined buffers	NET[MCU]	Normal	Data 1: **Loop Count** Data1 Type: ushort Data 2: **Del Count** Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
12A2	4770	NETO buffer pool length is bad	NET[MCU]	Normal	Data 1: **Total Length** Data1 Type: totallen Data 2: **Pool Size** Data2 Type: ushort Data 3: **Cumulative Free Buffer Space** Data3 Type: netobuffFree Data 4: **Loop Count** Data4 Type: ushort
12A3	4771	NETO does not enough space to store obj	NET[MCU]	Normal	NETO does not have enough space to store object Data 1: **Net Fragment ID** Data1 Type: netfragID Data 2: **Source Net ID** Data2 Type: SrcNodeID Data 3: **Cumulative Free Buffer Space** Data3 Type: netobuffFree Data 4: **Data Length** Data4 Type: DataLength
12A4	4772	NETO object buffering is full	NET[MCU]	Normal	Data 1: **Net Fragment ID** Data1 Type: netfragID Data 2: **Source Net ID** Data2 Type: SrcNodeID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
12A5	4773	NETO bad store request	NET[MCU]	Normal	Data 1: **Net Fragment ID** Data1 Type: netfragID Data 2: **Source Net ID** Data2 Type: SrcNodeID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
12A6	4774	NETO data buffer is full	NET[MCU]	Normal	Data 1: **Net Fragment ID** Data1 Type: netfragID Data 2: **Source Net ID** Data2 Type: SrcNodeID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
12A7	4775	NETO object handed up	NET[MCU]	Normal	

					Data 1: **Net Object State** Data1 Type: ObjState Data 2: **Source RTU Address** Data2 Type: RTUAddress Data 3: **Net Object ID** Data3 Type: ObjID Data 4:Null Data4 Type: ushort
12A8	4776	NETO deleted object FIR only	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Net Fragment ID** Data3 Type: netfragID Data 4:Null Data4 Type: ushort
12A9	4777	NETO bad fragment added	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Net Fragment ID** Data3 Type: netfragID Data 4: **Net Fragment ID** Data4 Type: netfragID
12AA	4778	NETO fragment not found	NET[MCU]	Normal	Data3 could equal the NetObject State if we are talking about the NETxVerboseLog Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Net Fragment ID** Data3 Type: netfragID Data 4:Null Data4 Type: ushort
12AB	4779	NETO object fragment sent	NET[MCU]	Normal	Data 1: **Net Fragment ID** Data1 Type: netfragID Data 2: **Net object ID** Data2 Type: ObjID Data 3: **Net object type** Data3 Type: RunnerType Data 4: **Data Length** Data4 Type: DataLength
12AC	4780	NETO object fragment was declined	NET[MCU]	Normal	Data 1: **xmtresultcode** Data1 Type: xmtresultcode Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Net Fragment ID** Data3 Type: netfragID Data 4: **Data Length** Data4 Type: DataLength
12AD	4781	NETO object list's timeout	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Fragment ID** Data2 Type: netfragID Data 3: **Net Object ID** Data3 Type: ObjID Data 4: **Net Object State** Data4 Type: ObjState
12B0	4784	NETD ACK has failed	NET[MCU]	Normal	Data 1: **Destination RTU Address** Data1 Type: RTUAddress Data 2: **DataLength** Data2 Type: DataLength Data 3: **Result= (netdSendObject(DNPGetLocalAddress(DNPADDRGOLDEN), destAddr, DNPCIDNETOBJMGNT, datatosend, (NETOBJHEADDATALEN + 1)));** Data3 Type: ushort Data 4:Null Data4 Type: ushort
12B1	4785	NETD sending object	NET[MCU]	Normal	Data 1: **Destination RTU Address** Data1 Type: RTUAddress Data 2: **Data Length** Data2 Type: DataLength Data 3: **Result=DNPXmtMultiService** Data3 Type: ushort Data 4: **Connection ID** Data4 Type: connectID

12B2	4786	NETD recieved object	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Net Object ID** Data2 Type: ObjID Data 3: **Net Object Type** Data3 Type: RunnerType Data 4: **Data Length** Data4 Type: DataLength
1800	6144	GPS Enabled by IntelliLINK	UTL[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort
1801	6145	GPS Disabled by IntelliLINK	UTL[MCU]	Normal	Data 1:Debug Data Data1 Type: ushort
1802	6146	GPS Not Active Time Source On	UTL[MCU]	Normal	GPS is not the active time source set. Data 1: Data1 Type: TimeSource Data 2: Data2 Type: GPSStatus Data 3: Data3 Type: FixQuality
1803	6147	GPS Not Active Time Source Off	UTL[MCU]	Normal	GPS is not the active time source cleared. Data 1: Data1 Type: TimeSource Data 2: Data2 Type: GPSStatus Data 3: Data3 Type: FixQuality
1804	6148	GPS Status Changed	UTL[MCU]	Normal	GPS Status Changed. Data 1: Data1 Type: TimeSource Data 2: Data2 Type: GPSStatus Data 3: Data3 Type: FixQuality Data 4: Data4 Type: OneHexByte
1F00	7936	Prohibit Rest. Xmit Status Active	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F01	7937	Enable Rest. Xmit Status Active	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F02	7938	Prohibit Rest. Xmit Status Clear	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F03	7939	Enable Rest. Xmit Status Clear	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F04	7940	Error Registering Team Peer	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort

					Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F05	7941	P2P message response	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F06	7942	Clr PR Status Control Pt Rcvd	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F07	7943	Clr Rest. Enab Stat Ctrl Pt Rcvd	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F08	7944	Prohibit Rest. Sent to Remote Dev	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F09	7945	Transfer Trip Sent to Remote Dev	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F0A	7946	Error sending P.R. to Rmt Dev	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F0B	7947	Error sending Xfer Trip to Rmt Dev	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F0C	7948	Transfer Trip Enabled	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F0D	7949	Transfer Trip Disabled	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort

1F0E	7950	Clearing Prohib Rest Blocked	RTL[MCU]	All	Clearing Prohibit Rest. Blocked Data 1:Debug Data Data1 Type: ushort Data 2:Debug Data Data2 Type: ushort Data 3:Debug Data Data3 Type: ushort Data 4:Debug Data Data4 Type: ClearPRBlocker
1F0F	7951	DNP3 Response received	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F10	7952	P.R. sent from local conditions	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F11	7953	Enable Restoration sent to RTU	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F12	7954	RMT Xmit PR Enabd Local Conditions	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F13	7955	RMT Xmit PR Disabd Local Conditions	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F14	7956	RMT Xmit PR Enabd for SCADA	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F15	7957	RMT Xmit PR Disabd for SCADA	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
1F16	7958	Clear PR on HLT removal disabled	RTL[MCU]	Normal	Data 1: Data1 Type: ushort Data 2: Data2 Type: ushort Data 3: Data3 Type: ushort Data 4: Data4 Type: ushort
7218	29208	NETX make runner source	NET[MCU]	Normal	Data 1: **Size of runner in RTU addresses** Data1 Type:

					RTUAddress Data 2: **Runner RTU lists** Data2 Type: RTUlists Data 3: **Runner node lists** Data3 Type: Nodelists Data 4:Null Data4 Type: ushort
7219	29209	NETX make runner RTUs	NET[MCU]	Normal	Data 1: **Size of runner in RTU addresses** Data1 Type: RTUAddress Data 2: **Runner RTU lists** Data2 Type: RTUlists Data 3: **Runner node lists** Data3 Type: Nodelists Data 4:Null Data4 Type: ushort
721A	29210	NETX make runner destination	NET[MCU]	Normal	Data 1: **Size of runner in RTU addresses** Data1 Type: RTUAddress Data 2: **Runner RTU lists** Data2 Type: RTUlists Data 3: **Runner node lists** Data3 Type: Nodelists Data 4:Null Data4 Type: ushort
721B	29211	NETX begin sendind activation runners	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
721C	29212	NETX activation object runner sent	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Data Length** Data3 Type: DataLength Data 4:Null Data4 Type: ushort
721D	29213	NETX forward activate runners	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Runner Index Number** Data2 Type: RunnerIndex Data 3: **Type of netlist distrubution[RunnerIndex]** Data3 Type: ushort Data 4:Null Data4 Type: ushort
721E	29214	NETX forward activation runner index	NET[MCU]	Normal	Data 1: **Runner Index Number** Data1 Type: RunnerIndex Data 2: **Null** Data2 Type: ushort Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
721F	29215	NETX forward activation runner source	NET[MCU]	Normal	Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Source Net Node ID** Data2 Type: SrcNodeID Data 3: **Destination Net Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
7220	29216	NETX forward activation runner sent ok	NET[MCU]	Normal	NETX forwarding activation runner sent ok Data 1: **Runner Index Number** Data1 Type: RunnerIndex Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Data Length** Data3 Type: DataLength Data 4:Null Data4 Type: ushort
7221	29217	NETX Feeder Net is activated	NET[MCU]	Normal	

					Data 1: **Our position in the Node Index Table** Data1 Type: NodeIndex Data 2: **Feeder Net Ids in the array** Data2 Type: FeederNetID Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
7222	29218	NETX Feeder Net added to division list	NET[MCU]	Normal	Data 1: **VM table Index** Data1 Type: VMIndex Data 2: **Feeder Net Ids in the array** Data2 Type: FeederNetID Data 3: **Feeder Net CRCs** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7223	29219	NETX accept activation runner	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Runner index** Data2 Type: RunnerIndex Data 3: **Type of netlist distribution** Data3 Type: FeederNetObjType Data 4: **Null** Data4 Type: ushort
7224	29220	NETX accept activation runner failed	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Identify Actual Runner** Data2 Type: RunnerNumber Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
7225	29221	NETX accept activation runner result	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Identify Actual Runner** Data2 Type: RunnerNumber Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
7226	29222	NETX Make Nodes start	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: FeederNetID Data 2: **Local RTU Address** Data2 Type: RTUAddress Data 3: **Number of associated payload elements** Data3 Type: NumPayLoad Data 4:Null Data4 Type: ushort
7227	29223	NETX Make Nodes compelete	NET[MCU]	Normal	Data 1: **Number of associated payload elements** Data1 Type: NumPayLoad Data 2: **Number of Node IDs in the list** Data2 Type: NumNodeID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7228	29224	NETX add nodes start	NET[MCU]	Normal	Data 1: **Null** Data1 Type: ushort Data 2: **Team Member Number** Data2 Type: TeamRecord Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4: **Null** Data4 Type: ushort
7229	29225	NETX add node id	NET[MCU]	Normal	Data 1: **Node ID** Data1 Type: SrcNodeID Data 2: **Switch** Data2 Type: SWnum Data 3: **Side information related to the switch** Data3 Type: SideInfo Data 4: **Null** Data4 Type: ushort

722A	29226	NETX add a new node	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Number of Node Index entries in the Node Table** Data2 Type: NumNodeIndex Data 3: **Number of Node IDs in list** Data3 Type: NumNodeID Data 4:Null Data4 Type: ushort
722B	29227	NETX report adjacent NetList start	NET[MCU]	Normal	Data 1: **Left Node Index** Data1 Type: NodeIndex Data 2:Null Data2 Type: ushort Data 3: **Feeder Net CRC of the left** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
722C	29228	NETX report adjacent to runner side1	NET[MCU]	Normal	Data 1: **Tie delievers an adjacent NL to a Runner Source for delivery** Data1 Type: RunnerType Data 2: **Destination Feeder Net ID** Data2 Type: FeederNetID Data 3: **Destination Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
722D	29229	NETX report adj netlist obj send to s1	NET[MCU]	Normal	NETX report adjacent netlist object send to side1 Data 1: **Number of teams** Data1 Type: NumOfTeams Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Length of Feeder Net description method** Data3 Type: dctsiz Data 4:Null Data4 Type: ushort
722E	29230	NETX Adj fdrnet netlist propagation done	NET[MCU]	Normal	NETX Adj feedernet netlist propagation done Data 1: **Adjacent FeederNet's CRC** Data1 Type: Hexushort Data 2: **Returned netlist runners of the adj feedernet** Data2 Type: NumRunners Data 3: **Netlist runners in the adj feedernet** Data3 Type: NumRunners Data 4: **Sent netlist runners of adj feedernet** Data4 Type: NumRunners
7230	29232	NETX send adj Feeder Net Runner's qty	NET[MCU]	Normal	NETX send adjacent Feeder Net Runner's qty Data 1: **This is the runner's source device** Data1 Type: DeviceNumber Data 2: **Runner Source row number in nnet** Data2 Type: NetViewRowNum Data 3: **Number of runners** Data3 Type: NumRunners Data 4:Null Data4 Type: ushort
7231	29233	NETX send adj FdrNet runner's FdrNet ID	NET[MCU]	Normal	NETX send adjacent Feeder Net runner's feedernetID Data 1: **Runner Index** Data1 Type: RunnerIndex Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7232	29234	NETX send adj Feeder Net runner's type	NET[MCU]	Normal	NETX send adjacent Feeder Net runner's type Data 1: **Runner Type** Data1 Type: RunnerType Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort

7233	29235	NETX send adj FNet runner's adj FNet ID	NET[MCU]	Normal	NETX send adjacent Feeder Net runnner's adj FeederNetID Data 1: **Adjecent Feeder Net ID** Data1 Type: FeederNetID Data 2: **Adjecent Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Number of teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort
7234	29236	NETX send adj Feeder Net runner's rtu	NET[MCU]	Normal	NETX send adjacent Feeder Net runner's rtu Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Length of Feeder Net description method** Data3 Type: dctsiz Data 4: **Null** Data4 Type: ushort
7235	29237	NETX request netlist ok	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Net destination RTU Address** Data2 Type: RTUAddress Data 3: **Length of Feeder Net description method** Data3 Type: dctsiz Data 4: **Null** Data4 Type: ushort
7236	29238	NETX reply Feeder Net req: crc is bad	NET[MCU]	Normal	NETX reply Feeder Net request, crc is bad Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7237	29239	NETX reply request sent ok	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Destination RTU address** Data2 Type: RTUAddress Data 3: **Data Length** Data3 Type: DataLength Data 4:Null Data4 Type: ushort
7238	29240	NETX reply Feeder Net request not found	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7239	29241	NETX requested Feeder Net is a duplicate	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net ID** Data2 Type: FeederNetID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
723A	29242	NETX requested Feeder Net good	NET[MCU]	Normal	Data 1: **Netx is out of memory** Data1 Type: ErrorCodeNETX Data 2: **NetxFindspace(incoming number of teams)** Data2 Type: NumOfTeams Data 3: **Incoming number of teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort
723B	29243	NETX save requested Feeder Net ID	NET[MCU]	Normal	Data 1: **Incoming Feeder Net ID** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Incoming number of teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort

723C	29244	NETX reequested Feeder Net saved ok	NET[MCU]	Normal	Data 1: **Size of team array** Data1 Type: ushort Data 2: **Size of teamsp data** Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
723D	29245	NETX forward Feeder Net runner	NET[MCU]	Normal	Data 1: **Identify Actual Runner** Data1 Type: RunnerNumber Data 2: **Runner Index** Data2 Type: RunnerIndex Data 3: **Type of netlist distribution[RunnerIndex]** Data3 Type: FeederNetObjType Data 4:Null Data4 Type: ushort
723E	29246	NETX's forward runner's index	NET[MCU]	Normal	Data 1: **Incoming Runner's index** Data1 Type: RunnerIndex Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
723F	29247	NETX forward Feeder Net destination rtu	NET[MCU]	Normal	Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Source Node ID** Data2 Type: SrcNodeID Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
7240	29248	NETX forward Feeder Net rnr sent: OK	NET[MCU]	Normal	NETX forward FeederNet runner sent,ok Data 1: **Runner Index** Data1 Type: RunnerIndex Data 2: **RTU address** Data2 Type: RTUAddress Data 3: **Data Length** Data3 Type: DataLength Data 4:Null Data4 Type: ushort
7243	29251	NETX forward adjacent Feeder Net sent ok	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Length of Feeder Net description method** Data3 Type: dctsiz Data 4:Null Data4 Type: ushort
7244	29252	NETX save adjacent Feeder Net runner cvd	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Number of teams** Data3 Type: NumOfTeams Data 4: **Null** Data4 Type: ushort
7245	29253	NETX save adjacent Feeder Net IDs	NET[MCU]	Normal	Data 1: **Adjecent Feeder Net ID** Data1 Type: FeederNetID Data 2: **Adjecent Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Number of teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort
7246	29254	NETX save adjacent Feeder Net node ID	NET[MCU]	Normal	Data 1: **Feeder Net Node ID** Data1 Type: SrcNodeID Data 2: **Node Index** Data2 Type: NodeIndex Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort

7247	29255	NETX save adj FeederNet dup chk hit	NET[MCU]	Normal	NETX save adjacent Feeder Net duplicate check hit Data 1: **Feeder Net ID in the array** Data1 Type: FeederNetID Data 2: **Adjecent Feeder Net ID** Data2 Type: FeederNetID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7249	29257	NETX save adj Feeder Net number of teams	NET[MCU]	Normal	NETX save adjacent Feeder Net number of teams Data 1: **Adjecent Number of Teams** Data1 Type: NumOfTeams Data 2: **Starting Index in the array** Data2 Type: FeederNetIndex Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
724A	29258	NETX save adj FNet; our num of teams	NET[MCU]	Normal	NETX save adjacent Feeder Net, our num of teams Data 1: **Our number of teams** Data1 Type: NumOfTeams Data 2: **Starting Index in the array** Data2 Type: FeederNetIndex Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
724E	29262	NETX adjacent FNet added to division net	NET[MCU]	Normal	NETX adjacent Feeder Net added to division net Data 1: **VM table index for this Feeder Net ID** Data1 Type: VMIndex Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
724F	29263	NETX save adjacent Feeder Net conflict	NET[MCU]	Normal	Data 1: **Feeder Net ID in the array** Data1 Type: FeederNetID Data 2: **Adjecent Feeder Net ID** Data2 Type: FeederNetID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7250	29264	NETX save adj FeederNet node indx failed	NET[MCU]	Normal	NETX save adjacent Feeder Net node index failed Data 1: **Node Index** Data1 Type: NodeIndex Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7251	29265	NETX save Feeder Net runner recieved	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Number of teams** Data3 Type: NumOfTeams Data 4:Null Data4 Type: ushort
7252	29266	NETX save Feeder Net runner's nodeindex	NET[MCU]	Normal	Data 1: **Incoming Feeder Net ID** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Node Index** Data3 Type: NodeIndex Data 4:Null Data4 Type: ushort
7253	29267	NETX save Feeder Net's dup replaced	NET[MCU]	Normal	NETX save Feeder Net's duplicate replaced Data 1: **Feeder Net ID in the array** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net ID** Data2 Type: FeederNetID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7254	29268	NETX save Feeder Net's	NET[MCU]	Normal	

		present status			Data 1: **Feeder Net ID in the array** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net ID** Data2 Type: FeederNetID Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
725A	29274	NETX save Feeder Net runner success	NET[MCU]	Normal	Data 1: **Node Index** Data1 Type: NodeIndex Data 2: **Left Node/Right Node Index** Data2 Type: NodeIndex Data 3: **Incoming Feeder Net ID** Data3 Type: FeederNetID Data 4:Null Data4 Type: ushort
725B	29275	NETX save Feeder Net's both sides check	NET[MCU]	Normal	Data 1: **Incoming Node ID** Data1 Type: SrcNodeID Data 2: **Team Member Count** Data2 Type: ushort Data 3: **Node Index** Data3 Type: NodeIndex Data 4:Null Data4 Type: ushort
725C	29276	NETX save Feeder Net to our side	NET[MCU]	Normal	Data 1: **FeederNetID[NodeIndex]** Data1 Type: FeederNetID Data 2: **FeederNetID[otherIndex]** Data2 Type: FeederNetID Data 3: **Node Index** Data3 Type: NodeIndex Data 4:Null Data4 Type: ushort
725D	29277	NETX saved Feeder Net added to the index	NET[MCU]	Normal	Data 1: **Node Index** Data1 Type: NodeIndex Data 2: **Incoming Feeder Net ID** Data2 Type: FeederNetID Data 3: **Incoming Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
725F	29279	NETX saved FNet's nodeindx has failed	NET[MCU]	Normal	NETX saved Feeder Net's node index has failed Data 1: **Node Index** Data1 Type: NodeIndex Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4: **Null** Data4 Type: ushort
7261	29281	NETX accept the Feeder Net runner	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Identify actual runner** Data2 Type: RunnerNumber Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7263	29283	NETX register DNP Address List Size	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7264	29284	NETX communication check runner sent ok	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Size of received runner in Bytes** Data3 Type: RunnerSize Data 4:Null Data4 Type: ushort
7265	29285	NETX get communication chk runner number	NET[MCU]	Normal	NETX get communication check runner number Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2:Null Data2 Type: ushort Data 3: **Number of associated payload elements** Data3 Type:

					NumPayLoad Data 4:Null Data4 Type: ushort
7266	29286	NETX comm chk rnr's size is mismatched	NET[MCU]	Normal	NETX communication check runner's size is mismatched Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Object Length** Data2 Type: DataLength Data 3: **Size of recieved runner in Bytes** Data3 Type: RunnerSize Data 4:Null Data4 Type: ushort
7267	29287	NETX get communication chk runner index	NET[MCU]	Normal	NETX get communication check runner index Data 1: **Size of recieved runner in Bytes** Data1 Type: RunnerSize Data 2:Null Data2 Type: ushort Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
7268	29288	NETX get communication chk rnr's rtu add	NET[MCU]	Normal	NETX get communication check runner's rtu address Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Our local RTU Address** Data2 Type: RTUAddress Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
7269	29289	NETX get comm chk rnr's dest rtu	NET[MCU]	Normal	NETX get communication check runner's destination rtu Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Our local RTU Address** Data2 Type: RTUAddress Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
726A	29290	NETX get comm chkrnr rnr internal node	NET[MCU]	Normal	NETX get communication checkrunner runner internal nodes Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Runner Index** Data2 Type: RunnerIndex Data 3: **Node Count** Data3 Type: NodeCount Data 4:Null Data4 Type: ushort
726C	29292	NETX get comm chk runner rtu address	NET[MCU]	Normal	NETX get communication check runner rtu address Data 1: **RTU Address** Data1 Type: RTUAddress Data 2: **Our local RTU Address** Data2 Type: RTUAddress Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
726D	29293	NETX get comm chk rnr indx fault	NET[MCU]	Normal	NETX get communication check runner index fault Data 1: **Size of the recived runner in Bytes** Data1 Type: RunnerSize Data 2:Null Data2 Type: ushort Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
726E	29294	NETX begin forwarding comm chk rnr	NET[MCU]	Normal	NETX begin forwarding communication check runner Data 1: **Identify Actual Runner Number** Data1 Type: RunnerNumber Data 2:Null Data2 Type: ushort Data 3: **Size of runner in RTU addresses** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
726F	29295	NETX forwarding comm check rnr sent ok	NET[MCU]	Normal	NETX forwarding communication check runner sent ok Data 1:Null Data1 Type: ushort Data 2: **RTU Address** Data2 Type: RTUAddress

					Data 3: **Size of recived runner in Bytes** Data3 Type: RunnerSize Data 4:Null Data4 Type: ushort
7270	29296	NETX accept communication check runner	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2:Null Data2 Type: ushort Data 3: **Size of runner in RTU Addresses** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
7271	29297	NETX comm chk rnr size is mismatched	NET[MCU]	Normal	NETX communication check runner size is mismatched Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Data Length** Data2 Type: DataLength Data 3: **Size of recieved runner in Bytes** Data3 Type: RunnerSize Data 4:Null Data4 Type: ushort
7272	29298	NETX communication check runner's index	NET[MCU]	Normal	Data 1: **Size of recieved runner in Bytes** Data1 Type: RunnerSize Data 2:Null Data2 Type: ushort Data 3: **Null** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
7273	29299	NETX get comm check runner's data	NET[MCU]	Normal	NETX get communication check runner's data Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Object Length** Data2 Type: DataLength Data 3: **Size of runner in RTU Addresses** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
7274	29300	NETX done accepting comm check runners	NET[MCU]	Normal	NETX done accepting communication check runners Data 1: **Claimed in dispatch** Data1 Type: EntryPointDevice Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Actual runner number from header** Data3 Type: RunnerNumber Data 4:Null Data4 Type: ushort
7275	29301	NETX make table of runner number	NET[MCU]	Normal	Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7276	29302	NETX make runner table count	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
7277	29303	NETX acpt data collection rnr bad count	NET[MCU]	Normal	NETX accept data collection runner bad count Data 1: **Net Destination Node ID** Data1 Type: DestNodeID Data 2: **Runner Number** Data2 Type: RunnerNumber Data 3: **Runner's quantity** Data3 Type: RunnerQuantity Data 4:Null Data4 Type: ushort
7278	29304	NETX data delivery rnr node index failed	NET[MCU]	Normal	NETX data delivery Runner node index failed Data 1: **Node ID** Data1 Type: SrcNodeID Data 2:Null Data2 Type: ushort

					Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
7279	29305	NETX data runner information	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
727A	29306	NETX data runner source rtu	NET[MCU]	Normal	Data 1: **The Normal State NetView length** Data1 Type: NETViewLength Data 2: **The local device number of the FN runner source device** Data2 Type: DeviceIndex Data 3: **RTU Address** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
727B	29307	NETX data runner selection	NET[MCU]	Normal	Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Nnet row number** Data2 Type: NetViewRowNum Data 3: **The local device number of the FN runner source device** Data3 Type: DeviceIndex Data 4:Null Data4 Type: ushort
727C	29308	NETX peer is registered already	NET[MCU]	Normal	Data 1: **RTU Address** Data1 Type: RTUAddress Data 2:Null Data2 Type: ushort Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
727D	29309	NETX peer is deregistered; reregistering	NET[MCU]	Normal	NETX peer is deregistered, re-registering Data 1: **RTU Address** Data1 Type: RTUAddress Data 2:Null Data2 Type: ushort Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
727E	29310	NETX dest device node indx failure	NET[MCU]	Normal	NETX destination device node index failure Data 1: **Find this node in the NLTA arrays** Data1 Type: IndexMngTable Data 2: **VM table Index** Data2 Type: VMIndex Data 3: **Index into the substation list for Feeder Net "tree root">** Data3 Type: Substation Data 4:Null Data4 Type: ushort
7288	29320	NETX dispatch designer Feeder Net object	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
7289	29321	NETX dispatch FeederNet source and dest	NET[MCU]	Normal	NETX dispatch Feeder Net source and destination Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
728A	29322	NETX dispatch Feeder Net dest	NET[MCU]	Normal	NETX dispatch Feeder Net destination Node ID

		Node ID			Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Incoming Feeder Net ID** Data2 Type: FeederNetID Data 3: **Incoming Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
728B	29323	NETX dispatch Feeder Net delivery index	NET[MCU]	Normal	Data 1: **Incoming Feeder Net ID** Data1 Type: FeederNetID Data 2: **Incoming Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
728C	29324	NETX dispatch Feeder Net delivery save	NET[MCU]	Normal	Data 1: **Destination Index** Data1 Type: DestinationIndex Data 2: **Runner Number** Data2 Type: RunnerNumber Data 3: **Size of runner in RTU Addresses** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
728E	29326	NETX dispatch comm chk source and dest	NET[MCU]	Normal	NETX dispatch communication check source and destination Data 1: **Source RTU Adress** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
728F	29327	NETX dispatch comm check FeederNet ID	NET[MCU]	Normal	NETX dispatch communication check Feeder Net ID Data 1: **Clamied in Dispatch** Data1 Type: EntryPointDevice Data 2: **Destination Index** Data2 Type: DestinationIndex Data 3: **Number of associated payload elements** Data3 Type: NumPayLoad Data 4:Null Data4 Type: ushort
7295	29333	NETX dispatch comm check sent to	NET[MCU]	Normal	NETX dispatch communication check sent to Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
7296	29334	NETX dispatch comm check handled	NET[MCU]	Normal	NETX dispatch communication check handled Data 1: **Runner Index** Data1 Type: RunnerIndex Data 2: **Null** Data2 Type: ushort Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
7297	29335	NETX dispatch netlist rqst src and dest	NET[MCU]	Normal	NETX dispatch netlist request source and destination Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
7298	29336	NETX dispatch netlist request FNet ID	NET[MCU]	Normal	NETX dispatch netlist request Feeder Net ID Data 1: **Destination RTU Address** Data1 Type: RTUAddress Data 2: **FeederNetID** Data2 Type: FeederNetID Data 3: **FeederNetCRC** Data3 Type: FeederNetCRC Data 4:Null Data4 Type: ushort
729A	29338	NETX dispatch primary rqst netlist resp	NET[MCU]	Normal	NETX dispatch primary request netlist response Data 1: **Source RTU Address** Data1 Type: RTUAddress

					Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
729B	29339	NETX dispatch prim netlist src and dest	NET[MCU]	Normal	NETX dispatch primary netlist source and destination Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
729C	29340	NETX dispatch primary netlist source ID	NET[MCU]	Normal	Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Data Length** Data2 Type: DataLength Data 3: **Net source Node ID** Data3 Type: SrcNodeID Data 4:Null Data4 Type: ushort
729D	29341	NETX dispatch primary netlist indx found	NET[MCU]	Normal	NETX dispatch primary netlist index found Data 1: **Feeder Net ID** Data1 Type: FeederNetID Data 2: **Feeder Net CRC** Data2 Type: FeederNetCRC Data 3: **Runner Index** Data3 Type: RunnerIndex Data 4:Null Data4 Type: ushort
729E	29342	NETX dispatch primary netlist indx nums	NET[MCU]	Normal	NETX dispatch primary netlist indexed numbers Data 1: **Destination Index** Data1 Type: DestinationIndex Data 2: **Runner Number** Data2 Type: RunnerNumber Data 3: **Size of runner in RTU Addresses** Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
72A0	29344	NETX dispatch newadj delivery rnr src ST	NET[MCU]	Normal	NETX dispatch new adjacent delivery runner source ST Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Net Destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
72A1	29345	NETX dispatch new adj delivery rnr done	NET[MCU]	Normal	NETX dispatch new adjacent delivery runner done Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72A4	29348	NETX dispatch adj netlist reporter src	NET[MCU]	Normal	NETX dispatch adjacent netlist reporter source Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Net destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
72A5	29349	NETX dispatch adj netlist report sending	NET[MCU]	Normal	NETX dispatch adjacent netlist reporter sending Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Number of actual data elments in DLV** Data2 Type: NumDataElements Data 3: **Net destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
72A8	29352	NETX dispat act Netlist rep fail to frwd	NET[MCU]	Normal	NETX dispatch Active Netlist reporter failed to forward Data 1: **Source RTU Address** Data1 Type: RTUAddress Data 2: **Destination RTU Address** Data2 Type: RTUAddress

					Data 3: **Net destination Node ID** Data3 Type: DestNodeID Data 4:Null Data4 Type: ushort
72AA	29354	NETX state machine A state 01 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Waiting for IT Designer** Data2 Type: StatusFeedbackArea Data 3: **Null** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72AB	29355	NETX state machA state 01 depart FNet ID	NET[MCU]	Normal	NETX state machine A state 01 depart Feeder Net ID Data 1: **Incoming Feeder Net ID from IntelliTeam Designer** Data1 Type: FeederNetID Data 2: **Incoming new Feeder Net CRC from IntelliTeam Designer** Data2 Type: FeederNetCRC Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72AC	29356	NETX state machA state01 num of teams	NET[MCU]	Normal	NETX state machine A state 01 number of teams Data 1: **Feeder Net incoming team array number of teams** Data1 Type: INCNUMTEAM Data 2: **Number of Device-Wire pairs from prep function** Data2 Type: DeviceWirepairs Data 3: **Number of Incoming Feeder Net Flags from ITD** Data3 Type: FeederNetObjectFlags Data 4:Null Data4 Type: ushort
72AD	29357	NETX state machine A state 02 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Perform NETview Express analysis** Data2 Type: StatusFeedbackArea Data 3: **Waiting for IT Designer** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72AE	29358	NETX statemachA state02 arriv net stat	NET[MCU]	Normal	NETX state machine A state 02 arrival net status Data 1: **Number of devices in the Feeder Net** Data1 Type: NumDevicesinFN Data 2: **Number if entries in row,one for device,one for wire** Data2 Type: ExpressNetViewRow Data 3: **Number of paths in this Feeder Net** Data3 Type: NumPaths Data 4:Null Data4 Type: ushort
72AF	29359	NETX state machine A state 03 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Create comm check runners and launch, then wait for return** Data2 Type: StatusFeedbackArea Data 3: **Perform NETview Express analysis** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72B0	29360	Register the peer RTU Address	NET[MCU]	Normal	Data 1: **Number of NETLIST runners in RunnerSource** Data1 Type: NETLISTRNR Data 2: **Size of runner in RTU addresses** Data2 Type: RTUAddress Data 3: **RTU address of the controls for each stop along the way**

					Data3 Type: RTUAddress Data 4:Null Data4 Type: ushort
72B1	29361	NetX statemachA state03 peer regs fail	NET[MCU]	Normal	NetX state machine A state 03 peer registration has failed Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
72B2	29362	NetX statemachA state03 all peers regs	NET[MCU]	Normal	NetX state machine A state 03 all peers registered Data 1: **Common check runners timeout counter** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3: **Number of NETLIST runners in RunnerSource** Data3 Type: NETLISTRNR Data 4:Null Data4 Type: ushort
72B3	29363	Netx state machA state 03 timeout failed	NET[MCU]	Normal	Netx state machine A state 03 timeout failed Data 1: **Common check of NETLIST runners in RunnerSource** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3: **Number of NETLIST runners in RunnerSource** Data3 Type: NETLISTRNR Data 4:Null Data4 Type: ushort
72B4	29364	NETX statemachA state03 make rnrs failed	NET[MCU]	Normal	NETX state machine A state 03 make runners failed Data 1: **NETV source normal** Data1 Type: NETVSRC Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72B5	29365	NETX state machine A state 04 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **go ahead and SEND the CCRs** Data2 Type: StatusFeedbackArea Data 3: **Create comm check runners and launch, then wait for return** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72B6	29366	NETX state machine A state 04 is done	NET[MCU]	Normal	Data 1: **Common check of NETLIST runners in RunnerSource** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3: **Number of NETLIST runners in RunnerSource** Data3 Type: NETLISTRNR Data 4:Null Data4 Type: ushort
72B7	29367	NETX state machine A state 05 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Start FN delivery Runners** Data2 Type: StatusFeedbackArea Data 3: **go ahead and SEND the CCRs** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72B8	29368	NETX statemachA state 05 arrival FNet ID	NET[MCU]	Normal	NETX state machine A state 05 arrival FeederNET ID Data 1: **Feeder Net incoming team array number of teams** Data1

					Type: INCNUMTEAM Data 2: **Number of NETLIST runners in RunnerSource** Data2 Type: NETLISTRNR Data 3: **Incoming new Feeder Net ID from IntelliTeam Designer** Data3 Type: FeederNetID Data 4:Null Data4 Type: ushort
72B9	29369	NETX state machine A state 06 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Send activate runners** Data2 Type: StatusFeedbackArea Data 3: **Start FN delivery Runners** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72BA	29370	NETX state machine A state 07 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Dashboard Feedback at the end of the successful deployment** Data2 Type: StatusFeedbackArea Data 3: **Send activate runners** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72BB	29371	NETX state machine A state 11 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Error Reporting** Data2 Type: StatusFeedbackArea Data 3: **Dashboard Feedback at the end of the successful deployment** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72BF	29375	NETX state machine C state 2 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Checks Registrations of the Destination RTU Addresses for the CCRs to be sent** Data2 Type: StatusFeedbackArea Data 3: **Error Reporting** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72C0	29376	NETX statemachC state2 regs is good	NET[MCU]	Normal	NETX state machine C state 2 registration is good Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
72C1	29377	NETX state machC state 2 regs failed	NET[MCU]	Normal	NETX state machine C state 2 registration failed Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
72C2	29378	NETX state machine C state 02 is done	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Current state of machine C State 2** Data2 Type: StatusFeedbackArea Data 3: **Previous state of machine C State 2** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72C3	29379	NETX state machine D state 01 Arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort

					Data 2: **Idle state waiting for management Sequence to be initiated upon need** Data2 Type: StatusFeedbackArea Data 3: **Null** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72C4	29380	NETX state machine D state 02 Arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Registers the RTU of the control that sent the Netlist Reporter Runner to us** Data2 Type: StatusFeedbackArea Data 3: **Idle state waiting for management Sequence to be initiated upon need** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72C5	29381	NETX state machD state 2 registered DNP	NET[MCU]	Normal	NETX state machine D state 2 registered DNP Data 1: **RTU Address** Data1 Type: RTUAddress Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72C6	29382	NETX state machine D state 3 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Checks on and waits for successful registration of the DNP Address from D0** Data2 Type: StatusFeedbackArea Data 3: **Registers the RTU of the control that sent the Netlist Reporter Runner to us** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72C7	29383	NETX state machD state 03 regs failed	NET[MCU]	Normal	NETX state machine D state 03 registration failed Data 1: **RTU Address** Data1 Type: RTUAddress Data 2:Null Data2 Type: ushort Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
72C8	29384	NETX statemachD state 03 regs is good	NET[MCU]	Normal	NETX state machine D state 03 registration is good Data 1: **RTU Address** Data1 Type: RTUAddress Data 2:Null Data2 Type: ushort Data 3: **Registration Status** Data3 Type: RegistrationStatus Data 4:Null Data4 Type: ushort
72C9	29385	NETX state machine D state 04 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Scans the list of reported Primary FeederNets and requests each one with delay between each request provided by next state waiting on the reply.** Data2 Type: StatusFeedbackArea Data 3: **Checks on and waits for successful registration of the DNP Address from D0** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72CA	29386	NETX state machine D state 05 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Waits until the requested Feeder Net has been returned then goes back to previous state** Data2 Type: StatusFeedbackArea Data 3: **Scans the list of reported Primary FeederNets and requests each one with delay between each request provided by next state waiting on the reply.** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort

72CB	29387	NETX state machine D state 06 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **the list of reported Adjacent FeederNets and requests each one with delay between each request provided by next state waiting on the reply** Data2 Type: StatusFeedbackArea Data 3: **Waits until the requested Feeder Net has been returned then goes back to previous state** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72CC	29388	NETX state machine D state 07 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Waits until the requested Feeder Net has been returned then goes back to previous state** Data2 Type: StatusFeedbackArea Data 3: **The list of reported Adjacent FeederNets and requests each one with delay between each request provided by next state waiting on the reply** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72CD	29389	NETX state machine D state 08 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **All Delivered now, proceed to apply** Data2 Type: StatusFeedbackArea Data 3: **Waits until the requested Feeder Net has been returned then goes back to previous state** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72CE	29390	NETX state machD state8 make div net	NET[MCU]	Normal	NETX state machine D state 8 make division net Data 1: **Record Where in VM find array this net list is in** Data1 Type: ushort Data 2: **Feeder Net ID** Data2 Type: FeederNetID Data 3: **Feeder Net CRC** Data3 Type: FeederNetCRC Data 4: **Null** Data4 Type: ushort
72CF	29391	NETX state machine D state 9 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Registers New RTUs and copies our DivisionNet information to appropriate tables** Data2 Type: StatusFeedbackArea Data 3: **All Delivered now, proceed to apply** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72D0	29392	NETX state machine D state 09 Make Nodes	NET[MCU]	Normal	Data 1: **Index into the substation list for Feeder Net "tree root"** Data1 Type: Substation Data 2: **Power Source Data-Starting Row in Present NetView for this Power Source** Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72D1	29393	NETX state machD state9 make nodes fail	NET[MCU]	Normal	NETX state machine D state 9 make nodes fail Data 1:Null Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort

72D2	29394	NETX state machine D state 10 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Cleanup and return to Idle state** Data2 Type: StatusFeedbackArea Data 3: **All Delivered now, proceed to apply** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72D3	29395	NETX state machine E state 01 arrival	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Runner Source Device Data Collection and Data Distribution manager IDLEStarts Runners on signal from State Machine F State 4 when it finds we are a runner source** Data2 Type: StatusFeedbackArea Data 3: **Cleanup and return to Idle state** Data3 Type: StatusFeedbackArea Data 4:Null Data4 Type: ushort
72D4	29396	NETX state machine F state 01 Arrival	NET[MCU]	Normal	Data 1: **Runner Number for non-runner source devices** Data1 Type: RunnerNumber Data 2: **State Machine F Manages sequences of operations in support of multiple simultaneous, Netlist Distributions** Data2 Type: StatusFeedbackArea Data 3: **Null** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72D5	29397	NETX state machine F state 02 Arrival	NET[MCU]	Normal	Data 1: **Runner Number for non-runner source devices** Data1 Type: RunnerNumber Data 2: **This state waits for the arrival of all required Activation Runners then applies the new Feeder Net to NETV and DAT** Data2 Type: StatusFeedbackArea Data 3: **State Machine F Manages sequences of operations in support of multiple simultaneous, Netlist Distributions** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72D6	29398	NETX state machine F state 03 Arrival	NET[MCU]	Normal	Data 1: **Runner Number for non-runner source devices** Data1 Type: RunnerNumber Data 2: **This state waits for the arrival of all required Activation Runners then applies the new Feeder Net to NETV and DAT** Data2 Type: StatusFeedbackArea Data 3: **State Machine F Manages sequences of operations in support of multiple simultaneous, Netlist Distributions** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72D7	29399	NETX state machine F state 04 Arrival	NET[MCU]	Normal	Data 1: **Runner Number for non-runner source devices** Data1 Type: RunnerNumber Data 2: **Releases our claim on PushingHoldoff, then waits for all appropriate runners to have returned,then Analyzes to see if this is a runner source, lists Runners if yes, checks RSD Registration** Data2 Type: StatusFeedbackArea Data 3: **State Machine F Manages sequences of operations in**

					support of multiple simultaneous, Netlist Distributions Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72D8	29400	NETX state machF state 04 runner source	NET[MCU]	Normal	NETX state machine F state 04 runner source Data 1: **Runner Source Device** Data1 Type: RSD Data 2: **Null** Data2 Type: ushort Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
72DA	29402	NETX state machine G state 01 Arrival	NET[MCU]	Normal	Data 1: **Null** Data1 Type: ushort Data 2: **State Machine G Manages sequences of operations in support of Sending of Feeder Net Deployment Runner Objects. State 1 is the IdleState** Data2 Type: StatusFeedbackArea Data 3: **Null** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72DB	29403	NETx state machine G state 01 deployment	NET[MCU]	Normal	Data 1: **Incoming number of teams** Data1 Type: INCNUMTEAM Data 2: **Number of netlist runners** Data2 Type: NETLISTRNR Data 3: **Feeder Net ID from IntelliTeam Designer** Data3 Type: FeederNetID Data 4: **Null** Data4 Type: ushort
72DC	29404	NETX state machine G state 02 Arrival	NET[MCU]	Normal	Data 1: **Null** Data1 Type: ushort Data 2: **G State 2 Creates and sends (store object) until the runner-list required number of runners has been sent** Data2 Type: StatusFeedbackArea Data 3: **State Machine G Manages sequences of operations in support of Sending of Feeder Net Deployment Runner Objects** Data3 Type: StatusFeedbackArea Data 4: **Null** Data4 Type: ushort
72DD	29405	NETX state machG state02 store object	NET[MCU]	Normal	NETX state machine G state 02 store object Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **RTU Address** Data2 Type: RTUAddress Data 3: **Data Length** Data3 Type: DataLength Data 4:Null Data4 Type: ushort
72E1	29409	NETX state machH state02 storeage ok	NET[MCU]	Normal	NETX state machine H state 02 storeage ok Data 1: **Runner Number** Data1 Type: RunnerNumber Data 2: **Destination RTU Address** Data2 Type: RTUAddress Data 3: **Null** Data3 Type: ushort Data 4: **Null** Data4 Type: ushort
72E6	29414	NETX too many in Netview row	NET[MCU]	Normal	NETX too many in Netview row (would overflow) Data 1: **Current row number** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72E7	29415	NETX too many Netview columns	NET[MCU]	Normal	Data 1: **Current row number** Data1 Type: ushort Data 2:Null Data2 Type: ushort

					Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72E8	29416	Overflow the device instance table	NET[MCU]	Normal	Data 1: **Device Type** Data1 Type: dev Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72E9	29417	NETX too many substations in Feeder Net	NET[MCU]	Normal	Would overflow Data 1: **Number of team record** Data1 Type: nt Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72EA	29418	NETX too many netx devices	NET[MCU]	Normal	Data 1:Null Data1 Type: ushort Data 2: **Number of device connection present,counter,list length** Data2 Type: nsngl Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72EB	29419	NETX too many netx columns	NET[MCU]	Normal	If Data4 is 4 then data 1 would be the deviceCountTotal Data 1:Null Data1 Type: ushort Data 2: **Number of device connection present,counter,list length** Data2 Type: nsngl Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72EC	29420	NETX too many netx rows	NET[MCU]	Normal	If Data4 is 10 then data 1 would be the deviceCountTotal Data 1:Null Data1 Type: ushort Data 2: **Number of device connection present,counter,list length** Data2 Type: nsngl Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72ED	29421	NETX too many NETV rows	NET[MCU]	Normal	Data 1: **Current row number** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72EE	29422	NETX too many DGs in Feeder Net	NET[MCU]	Normal	Data 1: **Current row number** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort
72EF	29423	NETX found DG in Feeder Net	NET[MCU]	Normal	Data 1: **Current row number** Data1 Type: ushort Data 2:Null Data2 Type: ushort Data 3:Null Data3 Type: ushort Data 4:Null Data4 Type: ushort