TAP-017

Clear Craft (Port) Alarm

PURPOSE

Provides procedures for clearing port alarm.

GENERAL

This procedure assumes that you have logged on to the alarmed Network Element (NE) and have opened the 1603 SM Application browser (DLP-117). Unless stated otherwise, all menu items referenced in this procedure are selected from the browser context menu.

Procedure

1. Connect PC to NE Craft 1 port unless logging on to NE remotely (DLP-119).

2. Is the PC communicating with the NE?

   If yes, go to step 3.
   If no, go to TAP-039.

3. ***NOTE:*** *Refer to TAP-001 for assistance in analyzing alarms and isolating alarms to specific Network Elements (NEs).*

   Are you logged on to the alarmed NE?
   If yes, go to step 5.
   If no, go to step 4.

4. Log on to the NE (DLP-117).

5. Have alarms been retrieved for craft port?

   If yes, go to step 7.

If no, go to step 6.

6. Retrieve alarms:

   Alarm Surveillance> Current Alarms>Retrieve

7. Determine if alarm is for Craft 1, Craft 2, SE2A, or X25PORT.

8. Based on the response, take the appropriate action to clear the alarm.

   If Craft 1 port, go to step 23.
   If Craft 2/X.25 (RS-232), go to step 9.
   If SE2A (RS-422), go to step 12.

9. Is the COA plug-in unit an odd-numbered COA (two craft ports)?

   If yes, go to step 15.
   If no, go to step 10.

10. ***NOTE:*** *Craft 2 (RS-232) is only supported if an odd-numbered COA plug-in unit is installed (e.g., COA601 or COA603).*

    Replace plug-in unit with correct type per DLP-101.

11. STOP. This procedure is complete.

- Is the COA plug-in unit an even-numbered COA?

If yes, go to step 15.
If no, go to step 13.

- SE2A (RS-422) is only supported if an even-numbered COA plug-in unit is installed (e.g., COA602 or COA604).

Replace plug-in unit with correct type per DLP-101.

- STOP. This procedure is complete.

- Verify cable connections on the rear of the 1603 SM shelf. See Figure 1 and DLP-008 for Craft 2 port or DLP-019 for X25 wiring.

- Are connections correct?

If yes, go to step 18.
If no, go to step 17.

- Resolve cable connection problem or suspect terminal.

- Check port parameters:

Provision>Ports> RS232>Parameters

- Analyze the port parameters. Refer to parameter explanation, Table A.

Figure 1. 1603 SM Shelf, Rear View of Craft 2/E2A Connection Points

Table A. Port Parameters

PORT PARAMETERS	DESCRIPTION
Service State	Used to apply a specific service state on the specified craft port. The parameter can be one of the following: In-Service (IS) Memory Admin (OOS-MA-AS) Unassigned (OOS-MA-UAS)
Stop Bits	The time interval between transmitted characters. Expressed as the number of stop BITS for the craft interface. The parameter value must be 1, 1.5, or 2
Baud Rate	The data transfer speed for the craft interface. The parameter value can be 1200, 2400, 4800, 9600, 19200, or Autobaud
Data Bits	The number of data bits sent in each data packet. Referred to as the character size for the craft interface. The parameter value must be 7 or 8 (bits)
Parity	A self-checking method of minimizing transmission errors in transmit and receive data signals. The parameter values are: NONE (no parity check); ODD (odd parity check); or EVEN (even parity check).
Terminal type	The type of terminal connected to the craft interface. The parameter values are VT100 (DEC VT100 compatible device) or TTY (a hard copy device).
Line Width	The character line width for the craft interface. Any lines with more than the specified line width automatically wrap to the next line on the screen. The parameter must be a value

	between 10 and 132, inclusive
Echo	Allows the user to see the outgoing data (keystrokes) on screen when communicating with a remote system. The parameters are echo on (full duplex) or echo off (half duplex). Half duplex cannot echo keystrokes to the screen; full duplex can (preferred mode). The values are Y or N (Y = on, N = off)
XON/XOFF Flow Control	Enable or disable XON/XOFF flow control for Craft 1 and Craft 2 port. The parameter should be Enabled for use with 1301 NMX

1. Verify the terminal equipment has the same settings.

2. Are the system parameter settings and the terminal settings compatible?

   If yes, go to step 22.
   If no, go to step 23.

3. Suspect a faulty COA or NEP plug-in unit.

   If COA, go to TAP-015.
   If NEP, go to TAP-028.

4. Do you need to modify the parameters on the port or on the terminal?

   If port, go to step 24.
   If terminal, go to step 28.

5. Select and modify the required parameters, then click on Send to enter the new parameters.

6. Retrieve port alarms:

   Alarm Surveillance> Current Alarms>Retrieve

7. Did the alarm condition clear?

   If yes, STOP. This procedure is complete.
   If no, go to step 27.

8. Suspect a faulty COA or NEP plug-in unit.

   If COA, go to TAP-015.
   If NEP, go to TAP-028.

9. Change the terminal parameters so they agree with the port parameters (refer to Tables B and C). Return to step 25.

10. STOP. This procedure is complete.

Table B. Communications Port Settings Screen Description

FIELD	MEANING	RANGE/CHOICE
Symbol Label	Displays label applied to communications port	Entered data
Port	Specifies communications port being configured	Com 1 through Com 16 Default is COM 1
Baud	Specifies baud rate for port	Recommended rate for modem connection is 9600
Data Format	Three-character format. First character specifies parity for communications port, second character specifies number of bits in a data character, third character specifies number of stop bits used	N-8-1 O-7-1 E-7-1 N-7-2 1301 NMX 1603 SM default configuration is N-8-1
OK	Applies specified changes and closes the screen	As shown on screen
Cancel	Closes the screen without applying changes	As shown on screen
Help	Accesses online help for 1301 NMX 1603 SM Application	As shown on screen

Table C. Modem Port Setup Screen Description

FIELD	MEANING	RANGE/CHOICE
Symbol Label	Displays Label applied to the Modem Port icon (If phone number has been entered in Modem Setup field, the symbol label and phone number are the same.)	String of alphanumeric characters
Port	Specifies PC com port being configured for modem to use	Com1 (default) through Com16
Baud	Specifies baud rate for the port. Set this value to match the network element	1200, 2400, 4800 9600 (Recommended) 14400, 19200 (default) 28800, 38400, 57600 115200
Format	Three-character format. Parity - Data Bits - Stop Bits. Set this value to match the network element	N-8-1 (default) (Recommended) O-7-1 E-7-1 N-7-2

Phone Number	Specifies modem number to be dialed for NE access	Entered data
Timeout	Specifies length of time (in seconds) modem allows to dial and make connection; if no connection within this time, modem hangs up	30-600 seconds 60 (default) (Recommended)
Show terminal after connect (optional)	If selected, allows user interaction after connecting with the remote modem, but prior to establishing a connection with the target NE. Used for password entry or call-back modem operation	Selected/Unselected
Modem Init (Optional)	Commands to configure modem before dialing	Hayes-compatible modem command set
Dial Suffix (Optional)	Commands to configure modem after connection has been made	As appropriate per application
OK	Applies the specified changes and closes the setup dialog box	As shown on the screen
Cancel	Closes the window without applying the changes	As shown on the screen
Help	Accesses online help for 1301 NMX 1603 SM Applications	As shown on the screen