Technical Bulletin

DSC

Date: September 23, 2008   **Number:** SG TAB 08-004

To: All System III Customers

This is to inform you that new software V1.81 has been released for the SG-CPM3 line cards.

The new version 1.81 software has the following new/changed features:

SG-CPM3 Changes

- **AHS Table management**

The CPM3 now has a method to synchronize the AHS table between two CPM3's on the same subnet every twelve hours, as well as back-up the table to flash every 24 hours.

Option [0E] - AHS Operation Options - Default [OFF]

This option is used to program the time interval the AHS table will use to synchronize between the two CPM3's, as well as saving the AHS table to flash. The synchronize operation will occur twice in a 24 hour period, the first time at the time programmed and the second 12 hours afterwards. The back-up will only occur once per 24 hour period at the programmed time after the synchronization. The back-up CPM3 will also synchronize (copy the table from the primary) 6 minutes after power up.

- The primary and Secondary CPM3 must have this option programmed with the same value.

- When the operation is in progress a message will appear on the LCD beside the logo above the time/date. The message will reflect the operation of either AHS sync or AHS back-up.

- A message is generated to the printer when AHS synchronization starts, stops, or fails.

- A message is generated to the printer when AHS flash write starts, stops, or fails.

- During the synchronization or flash backup the CPM3 must not be reset or rebooted as it could corrupt the table.

- **Separate Defaults depending on Shelf Number**

The CPM3 will read the shelf number when performing a Cold Boot and default the options differently. The Shelf 1 CPM3 will have the same defaults as previous versions. The Shelf 2 CPM3 will default the shelf two monitoring masks to be disabled so that trouble messages are generated automatically.

- **High-speed bus**

The option for Slow or Fast RBUS speed is removed on the 1.81.

- **More system details**

Under system details the following information will be displayed

version:1.80.01.024
Mac:xx.xx.xx.xx.xx.xx
PSC3 1 version: 1
PSC3 2 version: 1 As a result, fixed on the current release.

- **New SG-CPM3 Automation/Printer Outputs**

Printer Message	Message	LCD Message
Shelf 1 PSU3 Failure PSU 1 Failed	AT0000	PSU 1 FAIL
Shelf 1 PSU3 Restoral PSU 1 Restored	AR0000	N/A
Shelf 2 PSU3 Failure PSU 2 Failed	AT0001	PSU 2 FAIL
Shelf 2 PSU3 Restoral PSU 2 Restored	AR0001	N/A
PSU3 InterConnect Cable Failure PSU Cable Failed	AT0100	PSU CABLE FAIL
PSU3 InterConnect Cable Restoral PSU Cable Restored	AR0100	N/A
DC/DC3 A Shelf 1 Failure DCA 1 Failed	YP0100	DCA 1 FAIL
DC/DC3 A Shelf 1 Restoral DCA 1 Restored	YR0100	N/A
DC/DC3 B Shelf 1 Failure DCB 1 Failed	YP0101	DCB 1 FAIL
DC/DC3 B Shelf 1 Restoral DCB 1 Restored	YR0101	N/A
DC/DC3 A Shelf 2 Failure DCA 2 Failed Y	P0200	DCA 2 FAIL
DC/DC3 A Shelf 2 Restoral DCA 2 Restored	YR0200	N/A
DC/DC3 B Shelf 2 Failure DCB 2 Failed	YP0201	DCB 2 FAIL
DC/DC3 B Shelf 2 Restoral DCB 2 Restored	YR0201	N/A
Battery Low Shelf 1 12V Battery 1 Low	YT0100	BATTERY 1 LOW
Battery Low Restoral 1 12V Battery 1 Restored	YR0100	N/A
Battery Low Shelf 2 12V Battery 2 Low	YT0200	BATTERY 2 LOW
Battery Low Restoral 2 12V Battery 2 Restored	YR0200	N/A
Fan Circuit Shelf 1 Failure Fan Circuit 1 Failed	YX0100	FAN 1 FAIL
Fan Circuit Shelf 1 Restoral Fan Circuit 1 Restored	YZ0100	N/A
Fan Circuit Shelf 2 Failure Fan Circuit 2 Failed	YX0200	FAN 2 FAIL
Fan Circuit Shelf 2 Restoral Fan Circuit 2 Restored	YZ0200	N/A

TCP/IP Shelf 1 Printer Failure TCP/IP 1 Printer Failed	VZ0100	TCP 1 PRINTER FAIL
TCP/IP Shelf 1 Printer Restoral TCP/IP 1 Printer Restored	VY0100	N/A
TCP/IP Shelf 2 Printer Failure TCP/IP 2 Printer Failed	VZ0200	TCP 2 PRINTER FAIL
TCP/IP Shelf 2 Printer Restoral TCP/IP 2 Printer Restored	VY0200	N/A
Parallel Shelf 1 Printer Failure Parallel 1 Printer Failed	VZ0101	PAR 1 PRINTER FAIL
Parallel Shelf 1 Printer Restoral Parallel 1 Printer Restored	VY0101	N/A
Parallel Shelf 2 Printer Failure Parallel 2 Printer Failed	VZ0201	PAR 2 PRINTER FAIL
Parallel Shelf 2 Printer Restoral Parallel 2 Printer Restored	VY0201	N/A
Serial Shelf 1 Printer Failure Serial 1 Printer Failed	VZ0102	SER 1 PRINTER FAIL
Serial Shelf 1 Printer Restoral Serial 1 Printer Restored	VY0102	N/A
Serial Shelf 2 Printer Failure Serial 2 Printer Failed	VZ0202	SER 2 PRINTER FAIL
Serial Shelf 2 Printer Restoral Serial 2 Printer Restored	VY0202	N/A
SG-TCP/IP Shelf 1 Failure SG-TCP/IP 1 Failed	NT0100	SG-TCP/IP 1 FAIL
SG-TCP/IP Shelf 1 Restoral SG-TCP/IP 1 Restored	NR0100	N/A
SG-TCP/IP Shelf 2 Failure SG-TCP/IP 2 Failed	NT0200	SG-TCP/IP 2 FAIL
SG-TCP/IP Shelf 2 Restoral SG-TCP/IP 2 Restored	NR0200	N/A
SG-Serial Shelf 1 Failure SG-SERIAL 1 Failed	YC0101	SG-SERIAL 1 FAIL
SG-Serial Shelf 1 Restoral SG-SERIAL 1 Restored	YK0101	N/A
SG-Serial Shelf 2 Failure SG-SERIAL 2 Failed	YC0201	SG-SERIAL 2 FAIL
SG-Serial Shelf 2 Restoral SG-SERIAL 2 Restored	YK0201	N/A
Switch Into Active Mode Taking Over Polling	SC0001	N/A
Switch To Manual Mode Switching To Manual Mode	SC0000	MANUAL
Switch To Normal Mode Switching To Normal Mode	SC0003	ACTIVE
Switch To Standby Mode Switching To Standby Mode	SC0002	STANDBY
Line Card Absent Line Card Absent	YDssoo	N/A
Line Card Restored Line Card Restored	YEssoo	N/A
Computer: Inter-Comm. Error	YOssoo	N/A
Internal Communication Error (Printer) Printer: Inter-Comm. Error	Yossoo	N/A
Internal Communication Error (Console) Console: Inter-Comm. Error	YOssoo	N/A
Operator Activity Mode User:## entered Programming	LB00##	N/A
Primary CPM3 Power Up Primary CPM3 Power Up	RR0001	N/A
Secondary CPM3 Power Up Secondary CPM3 Power Up	RR0002	N/A
Primary CPM3 Failure Primary CPM3 Failure	YX0001	N/A
Primary CPM3 Restoral Primary CPM3 Restored	RR0001	N/A
Secondary CPM3 Failure Secondary CPM3 Failure	YX0002	N/A
Secondary CPM3 Restoral Secondary CPM3 Restored	RR0002	N/A
AHS Database Full CPM3 AHS Database Full	N/A	N/A
Shelf 1 UPS AC Fail (PGM In) UPS AC 1 Failed	AT0102	UPS AC 1 FAIL
Shelf 1 UPS AC Restored UPS AC 1 Restored	AR0102	N/A
Shelf 1 UPS Low Battery Restore UPS Battery 1 Restored	YR0102	N/A
Shelf 1 PSC Failure PSC 1 Failed	AT0002	PSC 1 FAIL
Shelf 1 PSC Restoral PSC 1 Restored	AR0002	N/A
Shelf 2 PSC Failure PSC 2 Failed	AT0003	PSC 2 FAIL
Shelf 2 PSC Restoral PSC 2 Restored	AR0003	N/A
Shelf 1 UPS Low Battery UPS Battery 1 Low	YT0102	UPS BATT 1 LOW
Shelf 2 UPS AC Fail (PGM In) UPS AC 2 Failed	AT0202	UPS AC 2 FAIL
Shelf 2 UPS AC Restored UPS AC 2 Restored	AR0202	N/A
Shelf 2 UPS Low Battery Restore UPS Battery 2 Restored	YR0202	N/A
Shelf 2 UPS Low Battery (PGM in) UPS Battery 2 Low	YT0202	UPS BATT 2 LOW

Console Session Denied CPM3 Primary Primary Console Session Denied	RD0001	N/A
Console Session Denied CPM3 Secondary Secondary Console Session Denied	RD0002	N/A

The new CPM3 Software is available on the DSC FTP site (ftp.dsc.com). Contact the SG Field Support team at 1 800-503-5869 (Canada/US) or +1 905-760-3000 (International) to obtain a password.

If you have any questions please contact the SG Field Support team at 905-760-3000, or send an email to sgfieldsupport@dsc.com.

SG Field Support
sgfieldsupport@dsc.com
+ 1 905 760-3000 (International)
1 800 503-5869 (Canada or US)