

**Date:** January 3, 2008

**Number:** SG TAB 08-002

**To:** All System II Customers

This is to inform you that software Version 1.21 has been released for the SG-System II. This new software addresses the below issue and implements a new feature when the line card table is 75% full.

A scenario is possible where the receiver and GS3055 could be out of sync with each other causing events to be received but not sent to the automation/printer output. This scenario is as follows:

1. GS3055 sends a periodic test
2. It is received by the primary IP receiver and an ACK is sent
3. If the GS3055 does not receive these ACKS it will retry until it FTCs, then switches to the secondary IP receiver
4. The GS3055 then successfully communicates to the secondary IP

When this happens, the sequence number in the GS3055 does not increase while in the primary receiver it does. This results in an out of sync condition. On subsequent, identical events from the GS3055 to the primary receiver, the new event will not be sent to the automation/printer output

**NOTE:** If a different event is communicated during this out of sequence condition, it will be handled normally and sent to the automation/printer. Only identical events are affected.

The SG-System II has the following new/changed features:

- Update for the GS module alarm received with a sequence number matching the last received alarm. If an alarm is transmitted by a GS module the DRL3-IP will now store the GS module timestamp and the Contact ID string in a table. As a part of the duplication check, the line card will compare the Contact ID string of the alarm with the Contact ID string of the last alarm stored in the table. If the Contact ID string is different, the receiver will process and respond with ACK/NACK. If the Contact ID string is the same, the line card will then check the GS timestamp of the current alarm compared to the timestamp of the last alarm stored in the table. If the time difference is less than or equal to plus or minus (+/-) 30 seconds, the line card will discard the signal and not output it to automation/printer. If the time difference is greater than plus or minus (+/-) 30 seconds, the line card will process and respond with ACK/NACK and output to automation/printer accordingly. The line card will also update the timestamp and Contact ID string every time it processes the message.

- When the System II IP table reaches 75% full it will output the following messages:
  1. [#000000|NJL\*XXX.XXX.XXX.XXX\*] where XXX.XXX.XXX.XXX is the WAN IP address.
  2. 000000-JL-\*Account Table 75% full XXX.XXX.XXX.XXX \* where XXX.XXX.XXX.X is the WAN IP address.

Please contact the SG Field Support team at +1-905-760-3000, or send an email to [sgfieldsupport@dsc.com](mailto:sgfieldsupport@dsc.com) if you have any questions.

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