



subject: **Changes to enter tsmt1 port, change tsmt1 port and verify tsmt1.**

date: **October 21, 1996**

from: **BNS-2000 Customer Support
1800WE2CARE**

PRODUCT DOCUMENTATION NOTICE

This memo describes changes made to the **enter tsmt1 port**, and **change tsmt1 port** commands, and the **verify tsmt1** report output, in BNS-2000 Release 4.0.

The TSMT1 would previously strip the CRC field on ingress to the network and regenerate it on egress for all Grade of Service 5 (GOS 5) ports. New functionality is added allowing the administrator to configure GOS 5 ports NOT to strip the CRC field, but to pass it though unchanged. Note that this is only configurable when the Grade of Service selected is 5. GOS 3 ports will not prompt for CRC stripping and will continue to pass the CRC through the network unchanged. A new prompt for STRIP CRC ON INGRESS will be issued when using the *enter* or *change tsmt1* commands and selecting a Grade of Service of 5. The syntax is as follows:

```
CC0> enter
OBJECTS [...tsmt1...]: tsmt1
COMPONENT [module, port]: port
MODULE ADDRESS:

GRADE OF SERVICE [3, 5: +(5)]:

If GRADE OF SERVICE is 5:
STRIP CRC ON INGRESS [yes, no: +(yes)]:

CC0>
```

Note that the default value for the new prompt is *yes*, (i.e. strip the CRC) which is also what the previous versions of software would do before this option was added.

Calls placed between TSMT1 endpoints must use the same GOS level *and* CRC stripping option (when using GOS 5) or the call will be rejected. TSMT1 ports connecting to a port on a TSM8, SAM, or LCS100 Network gateway port *must* be configured to use GOS 5 *and* strip the CRC, since that grade of service and CRC handling are the only ones supported on those modules. If any of the above mismatch conditions are present, the call setup will fail and the following message will be printed at the originating node console:

```
<YY-MM-DD> <hh:mm:ss> NODE=<xxx...x>
** 7210 MODADDR=<addr> PORT=<num> CHANNEL=<num> MODTYPE=<type>
REPORT ALARM: Taking down call, endpoints have mismatched GOS
levels or mismatched GOS5 CRC handling
CLASS=17 TASKID=<num>
```

Rec act: Reconfigure the ports to have the same GOS and CRC levels.

The *verify tsmt1* command will now report a CRC STRIP field indicating (*yes* or *no*) whether the CRC is stripped on ingress and regenerated on egress, or passed through the network unchanged. Note that this field will always indicate *no* for ports configured for GOS 3.

This PDN modifies product document Data Networking Products Transparent Synchronous Module Reference, Release 4.0, CIC ID 255-115-225 (Issue 1), pages 1-7, 4-10, 5-5, 5-10, 5-12, 6-59 and 6-68.