



Subject: **7009 Alarm Documentation Enhancements**

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From: **BNS-2000 VCS Customer Support**
1800WE2CARE

Alarms Documentation Enhancements

1. INTRODUCTION

Some customers have requested additional information on specific alarms that are being seen on their nodes but are perceived as insufficiently documented. This memo includes the modified page from the Messages Reference guide for the 7009, containing additional details describing the alarm, possible causes for the alarm, and/or enhanced recommended action information.

Report Alarm 7009

<YY-MM-DD> <hh:mm:ss> NODE=<xxx...x>
** 7009 MODADDR=<addr> SWITCH=active MODTYPE=switch
REPORT ALARM: Active switch is in test mode.
Rec act: Wait for alarms generated by switchover

Message Explanation

The active Switch module is in test mode.

Recommended Action

If an in-service standby Switch module is available, automatic switchover occurs. Observe related alarms and messages for recommended actions and switchover results.

If no in-service standby Switch is available, or the error occurs in a single-switch node, the alarmed switch will be restored once it's self-test is completed. This alarm is a normal occurrence during node upgrades or cold reboots, and should be followed by an 8632 alarm indicating that the switch is now active. If no 8632 or similar clearing alarm is received, and no standby switch has become active, the node will be inoperative due to lack of ability to switch data packets. In this case, run *dstat switch* to diagnose a potential faulty switch module or related hardware.