

MOSN-247

TO: Distribution
FROM: D. R. Vinograd
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SUBJECT: The DEBG Configuration Card

This document obsoletes MOSN-238.

The following are the current known options that may be used on the DEBG configuration card.

1. MQB

A check in quota to crash the system if a "move_quota" bug is detected. (Checks to see if the total quota of a parent and entry is different after a move.)

2. DEAC n

A check in deactivate to call syserr with a control argument of n if astep is bad after a call to lock. (This used to cause an out-of-bounds error invoking the online salvager.)

3. -LW n

A check in pxss for the "loop wait" bug. (It calls syserr with the **number n specified as a control argument.**)

4. CKDV did n

A check in page control for bad reads from the specified device id (and those above it). It accomplishes this by storing a pattern in core before the read is issued and then checks for that pattern after the read. When a misread is detected, a fatal page read error is

signalled and syserr is called with the number specified as n as a control argument.

Example:

```
DEBG CKDV 2 1
```

This will check devices 2 and 3 (270's and 170's) and will crash the system when an error is detected.

5. **ONC ILC EVEN ODD ACTION**

A check is made in parity_fault for every occurrence of an operation-not-complete fault. If the instruction counter, **even**, and **odd instructions** as stored in the SCU data match the fields **ILC**, **EVEN**, and **ODD** respectively **then syserr is called with number defined as 'action'** as an control argument.