

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL  
NO. P-A011

SYSTEMS SW & HW  
14 December 1983

AMPERIF DISC CONTROLLER I STRING  
TESTING WITH DI3 ONLY

SYMBOLIC TITLE: N/A  
ORIGINATOR:

STAT

ADMINISTRATIVE-INTERNAL USE ONLY

ADMINISTRATIVE-INTERNAL USE ONLY  
CLASSIFICATION

|                                                                                                                      |                       |                                                                          |                                     |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------|-------------------------------------|
| DOCUMENT CHANGE REQUEST (DCR)                                                                                        |                       | DCR NO: <u>0007</u><br>DATE LOGGED: _____<br>DATE CLOSED: <u>1/25/84</u> |                                     |
| TITLE <u>DCI Testing w/DI3 only</u>                                                                                  |                       | NO. _____<br>(IF NEW, ASSIGNED BY TSS)                                   |                                     |
| INITIATOR <u>[Signature]</u>                                                                                         | SECTION <u>SPS</u>    | DATE <u>10/3/83</u>                                                      | PI <u>[Signature]</u> STAT <u>T</u> |
| TECHNICAL MONITOR _____                                                                                              | SECTION _____         | DATE _____                                                               | PHONE _____                         |
| SYSTEM AFFECTED: _____ 1100/OPS <u>X</u> 1100/M&A _____                                                              |                       | COINS _____ RTMS _____ OTHER _____                                       |                                     |
| BRANCH CHIEF SIGNATURE <u>[Signature]</u>                                                                            | DATE <u>7 Nov 83</u>  |                                                                          | STAT <u>T</u>                       |
| INITIATING DOCUMENT NO.: DR # _____ RFC # _____ OTHER _____                                                          |                       |                                                                          |                                     |
| NEED FOR CHANGE:<br><br>Procedure to allow AMPERIF CE's to test the DCI disc controllers using "DI3" disc drive only |                       |                                                                          |                                     |
| DCOB INTERIM APPROVAL:                                                                                               |                       |                                                                          |                                     |
| C/DCOB: <u>[Signature]</u>                                                                                           | DATE <u>11/1/83</u>   | CONCUR <u>✓</u>                                                          | NON-CONCUR _____ STAT <u>T</u>      |
| CERB: <u>[Signature]</u>                                                                                             | DATE <u>14 DEC 83</u> | CONCUR <u>✓</u>                                                          | NON-CONCUR _____                    |
| C/DCOB: <u>[Signature]</u>                                                                                           | DATE <u>14 DEC 83</u> | CONCUR <u>✓</u>                                                          | NON-CONCUR _____                    |
| C/SB: <u>[Signature]</u>                                                                                             | DATE <u>14 DEC 83</u> | CONCUR <u>✓</u>                                                          | NON-CONCUR _____                    |
| C/PB: <u>[Signature]</u>                                                                                             | DATE <u>14 DEC 83</u> | CONCUR <u>✓</u>                                                          | NON-CONCUR _____                    |
| DISAPPROVED _____                                                                                                    |                       | DATE <u>12/14/83</u>                                                     |                                     |
| SIGNATURE <u>[Signature]</u>                                                                                         |                       | DATE _____                                                               |                                     |

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### PURPOSE

1. This procedure should be followed to insure that AMPERIF CEs can test the Disc Controllers DCIO, DCI1, and their cache using DI3 only in a manner that will prevent the corruption of user data. This procedure cannot be used to test drives DIO, DI1, and DI2.

### REFERENCES

2. None

### RESPONSIBILITIES

3. The DCOS Team Supervisor, in coordination with the Operations Control Officer, is responsible for carrying out this procedure in support of the AMPERIF CEs. Also, an operator must be on the console at all times while AMPERIF is testing.

### PROCESSING

4. The following steps must be taken:

- A. Mount "AMPDRS" in any available drive in the DCE, DCF, DCG, or DCH strings.
- B. Place all drives in the READ-ONLY mode on the DCE, DCF, DCG, DCH, and DCI strings except the drives containing "AMPDRS" and DI3 which should be WRITE-ENABLED.
- C. Perform a tape boot to "AMPDRS" using the latest M&A boot tape with Jump Key 4 set on the STU. At modify configuration time key in:

DN,ALL DCEO  
DN,ALL DCFO  
DN,ALL DCGO  
DN,ALL DCHO  
DN DIO,DI1,DI2

THE SYSTEM WILL NOT ALLOW THE "AMPDRS" DRIVE TO BE DOWNED. Then, enter the date and time.

- D. Answer 'N' to the "INITIALIZE TIP" message. The system is now ready to support AMPERIF testing. There are two files on the "AMPDRS" pack that contain the AMPERIF CEs diagnostic routines: AMP\*AMP and CED\*AMP.

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- E. Following AMPERIF testing: stop the system, remove "AMPDRS", and remove the READ-ONLY mode from all M&A drives. In addition to normal configuration changes prior to entering the date and time, perform a disk boot to the M&A DRS (D10). At modify configuration time, key in DN DI3.
- F. Continue booting the system according to normal procedures for a recovery boot.