INDEPENDENT ORBITER ASSESSMENT

ASSESSMENT OF THE ELECTRICAL POWER DISTRIBUTION AND CONTROL SUBSYSTEM VOLUME 2 OF 3

26 FEBRUARY 1988
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5587
NASA FMEA #: 05-6-2802-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5587
ITEM: RPC, 5A (TO RCS/OMS AB BUS)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-651
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5588
NASA FMEA #: 05-6-2652-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5588
ITEM: SWITCH, TOGGLE SPST (AFT POD VLV LOGIC GRP 1/3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88 C-652
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5589
NASA FMEA #: 05-6-2652-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5589
ITEM: SWITCH, TOGGLE SPST (AFT POD VLV LOGIC GRP 1/3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-653
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5590
NASA FMEA #: 05-6-2702-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5590
ITEM: RESISTOR, 1.2K 2W (TO APCA-4)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88 C-654
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5590A
NASA FMEA #: 05-6-2702-2
SUBSYSTEM: EPD&C
MDAC ID: 5590
ITEM: RESISTOR, 1.2K 2W (TO APCA-4)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-655
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5591
NASA FMEA #: NOT FOUND

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: EPD&C
MDAC ID: 5591
ITEM: RESISTOR, 5.1K (ESS BUS 3AB TEST POINT)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

THIS COMPONENT HAS NO CONNECTION TO FLIGHT HARDWARE OR IS A TEST POINT. THEREFORE NASA DID NOT INCLUDE IT IN THEIR FMEAS. IOA CONCURS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5592
NASA FMEA #: NOT FOUND
NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: EPD&C
MDAC ID: 5592
ITEM: RESISTOR, 5.1K 1/4W (TO ESS 3AB MONITOR)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS COMPONENT HAS NO CONNECTION TO FLIGHT HARDWARE OR IS A TEST POINT. THEREFORE NASA DID NOT INCLUDE IT IN THEIR FMEAS. IOA CONCURS.
APPENDIX C
ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5593  
**NASA FMEA #:** 05-6-2185-1  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5593  
**ITEM:** DIODE, ISOLATION 35A (ESS BUS 3AB)  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:**  
(If different from NASA)

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* **CIL RETENTION RATIONALE:**  
(If applicable)

**ADEQUATE** [ X ]  
**INADEQUATE** [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5594
NASA FMEA #: 05-6-2185-2

SUBSYSTEM: EPD&C
MDAC ID: 5594
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5594
NASA FMEA #: 05-6-2185-2

SUBSYSTEM: EPD&C
MDAC ID: 5594
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

NASA HAS ADDED THE FAILURE MODE "SHORTS TO GROUND" TO THIS FMEA. IOA CONCURS WITH THE NASA REEVALUATION DUE TO FUEL CELL SAFING CONCERNS.

REPORT DATE 02/23/88 C-659
APPENDIX C

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5595
NASA FMEA #: 05-6-2186-2
SUBSYSTEM: EPD&C
MDAC ID: 5595
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

IOA CONCURS WITH THE NASA REEVALUATION DUE TO FUEL CELL SAFING CONCERNS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5596
NASA FMEA #: 05-6-2186-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5596
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-661
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/15/87  
**NASA DATA:**  
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**NASA FMEA #:** 05-6-2186-3  
**NASA DATA:**  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5596  
**ITEM:** DIODE, ISOLATION 35A (ESS BUS 3AB)  
**LEAD ANALYST:** K. SCHMECKPEPER  
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**CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

REPORT DATE 02/23/88  
C-662
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5597
NASA FMEA #: 05-6-2186-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5597
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-663
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5597A
NASA FMEA #: 05-6-2186-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5597
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5598
NASA FMEA #: 05-6-2186-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5598
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH THE NASA REEVALUATION DUE TO FUEL CELL SAFING CONCERNS.

REPORT DATE 02/23/88 C-665
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
NASA DATA:
ASSESSMENT ID: EPD&C-5599
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NASA FMEA #: 05-6-2185-2
NEW [ X ]
NASA FMEA #: 05-6-2185-2
SUBSYSTEM: EPD&C
NASA DATA:
MDAC ID: 5599
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ITEM: DIODE, ISOLATION 35A (TO RIA1 PANEL - ESS BUS 3AB)
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LEAD ANALYST: K. SCHMECKPEPER
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IOA [ 3 /3 ] [ ] [ ] [ ] [ ]

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

Adequate [ X ]

Inadequate [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "SHORTS TO GROUND" TO THIS FMEA.
IOA CONCURS WITH THE NASA REEVALUATION DUE TO FUEL CELL SAFING CONCERNS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5600
NASA FMEA #: 05-6-2185-1

SUBSYSTEM: EPD&C
MDAC ID: 5600
ITEM: DIODE, ISOLATION 35A (TO R1A1 PANEL - ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-667
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5601
NASA FMEA #: 05-6-2603-1
SUBSYSTEM: EPD&C
MDAC ID: 5601
ITEM: FUSE, 10A TO ESS BUS 3AB
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-668
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5602
NASA FMEA #: 05-6-2603-1
SUBSYSTEM: EPD&C
MDAC ID: 5602
ITEM: FUSE, 10A TO ESS BUS 3AB
LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-669
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5603
NASA FMEA #: 05-6-2605-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5603
ITEM: FUSE, 7.5A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-670
**APPENDIX C**

**ASSESSMENT WORKSHEET**

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5604  
**ITEM:** FUSE, 3A TO SIG COND/MDM MONITOR

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

**REMARKS:**

ADEQUATE [ ]
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**REPORT DATE 02/23/88 C-671**
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

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**NASA DATA:**  
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NEW [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5605  
**ITEM:** FUSE, 15A TO APCA-6

**LEAD ANALYST:** K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)  
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**REMARKS:**  
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS OF THE CIRCUIT.

**REPORT DATE 02/23/88**  
**C-672**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5606
NASA FMEA #: 05-6-2300-1
SUBSYSTEM: EPD&C
MDAC ID: 5606
ITEM: FUSE, 5A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-673
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5607
NASA FMEA #: 05-6-2602-1
NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5607
ITEM: FUSE, 10A TO ML86B PANEL

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-674
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5608
NASA FMEA #: 05-6-2276-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5608
ITEM: FUSE, 15A TO MPCA-3
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO FUEL CELL SAFING CONCERNS.

REPORT DATE 02/23/88 C-675
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5609
NASA FMEA #: 05-6-2275-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5609
ITEM: FUSE, 10A TO FPCA-3 & FLCA-3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-676
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5610
NASA FMEA #: 05-6-2279-1
SUBSYSTEM: EPD&C
MDAC ID: 5610
ITEM: FUSE, 10A TO 013 PANEL
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-677
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-5611  
**NASA FMEA #:** 05-6-2605-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5611  
**ITEM:** FUSE, 7.5A  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]  
INADEQUATE [ ]

**REMARKS:**  
IOA CONCOURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5612
NASA FMEA #: 05-6-2482-1
SUBSYSTEM: EPD&C
MDAC ID: 5612
ITEM: HYBRID DRIVER TYPE I (ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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NEW [ X ]

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-679
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5613
NASA FMEA #: 05-6-2482-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5613
ITEM: HYBRID DRIVER TYPE I (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-680
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-5614
NASA FMEA #: 05-6-2385-1

SUBSYSTEM: EPD&C
MDAC ID: 5614
ITEM: RPC, 15A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-681
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5615
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NASA DATA:
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SUBSYSTEM: EPD&C
MDAC ID: 5615
ITEM: RPC, 15A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-682
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5616
NASA FMEA #: 05-6-2191-2

SUBSYSTEM: EPD&C
MDAC ID: 5616
ITEM: DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5617
NASA FMEA #: 05-6-2191-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5617
ITEM: DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-684
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5617A
NASA FMEA #: 05-6-2191-3

SUBSYSTEM: EPD&C
MDAC ID: 5617
ITEM: DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-685
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5618
NASA FMEA #: 05-6-2191-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5618
ITEM: DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-686
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5618A
NASA FMEA #: 05-6-2191-3

ASSESSMENT ID:
EPD&C-5618A

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM:
EPD&C

MDAC ID:
5618

ITEM:
DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST:
K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5619
NASA FMEA #: 05-6-2191-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5619
ITEM: DIODE, ISOLATION 35A (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS.

REPORT DATE 02/23/88  C-688
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5620
NASA FMEA #: 05-6-2335-1
SUBSYSTEM: EPD&C
MDAC ID: 5620
ITEM: RESISTOR, 5.1K
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-689
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5621
NASA FMEA #: 05-6-2291-1

SUBSYSTEM: EPD&C
MDAC ID: 5621
ITEM: FUSE, 7.5A TO ALCA-3 (MPS)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-690
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5622
NASA FMEA #: 05-6-2213-1

SUBSYSTEM: EPD&C
MDAC ID: 5622
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE F/C 3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "SHORTS TO GROUND - FUEL CELL TO ESS BUS CONTACT" TO THIS FMEA. IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-691
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5622A
NASA FMEA #: 05-6-2213-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5622
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE F/C 3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-692
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5623
NASA FMEA #: 05-6-2213-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5623
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE F/C 3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5624
NASA FMEA #: 05-6-2335-1

NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5624
ITEM: RESISTOR, 5.1K 1/4W TO MDM OF4

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-694
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5625
NASA FMEA #: 05-6-2335-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5625
ITEM: RESISTOR, 5.1K 1/4W TO MDM OF4

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-695
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5626
NASA FMEA #: 05-6-2331-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5626
ITEM: RESISTOR, 1.2K 2W (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5627
NASA FMEA #: 05-6-2331-1

SUBSYSTEM: EPD&C
MDAC ID: 5627
ITEM: RESISTOR, 1.2K 2W (TO ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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| COMPARE     | [ / ]    | [ N ] | [ N ] | [ ]   | [ N ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5628
NASA FMEA #: 05-6-2214-1

SUBSYSTEM: EPD&C
MDAC ID: 5628
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE MAIN A/B)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5628A
NASA FMEA #: 05-6-2214-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5628
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE MAIN A/B)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-699
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5629
NASA FMEA #: 05-6-2214-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5629
ITEM: SWITCH, TOGGLE 3PDT (ESS BUS SOURCE MAIN A/B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-700
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5630
NASA FMEA #: 05-6-2187-2

SUBSYSTEM: EPD&C
MDAC ID: 5630
ITEM: DIODE, ISOLATION (TO MPCA-1 - ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-701
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5631
NASA FMEA #: 05-6-2187-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5631
ITEM: DIODE, ISOLATION (TO MPCA-1 - ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-702
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5632
NASA FMEA #: 05-6-2188-1
SUBSYSTEM: EPD&C
MDAC ID: 5632
ITEM: DIODE, BLOCKING
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-703
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5633
NASA FMEA #: 05-6-2188-2

SUBSYSTEM: EPD&C
MDAC ID: 5633
ITEM: DIODE, BLOCKING

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCENARIO LISTED ON THE CIL, BUT CONSIDERS THIS TO BE AN "INCREDIBLE" CREDIBLE SET OF FAILURES.

REPORT DATE 02/23/88 C-704
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5634
NASA FMEA #: 05-6-2339-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5634
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-705
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5635
NASA FMEA #: 05-6-2338-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5635
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-706
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
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NASA FMEA #: 05-6-2011-1
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SUBSYSTEM: EPD&C
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ITEM: RPC, 10A TO MDCA #3 - ESS BUS 3AB
ITEM: RPC, 10A TO MDCA #3 - ESS BUS 3AB
LEAD ANALYST: K. SCHMECKPEPER
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
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| LEAD ANALYST: | K. SCHMECKPEPER |

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5638
NASA FMEA #: 05-6-2011-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5638
ITEM: RPC, 10A TO MDCA #3 - ESS BUS 3AB
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A  B  C

NASA [ 3 /1R ] [ P ] [ P ] [ P ] [ ] *
IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable) ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-709
### APPENDIX C

**ASSESSMENT WORKSHEET**

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**NASA FMEA #:** 05-6-2011-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5639  
**ITEM:** RPC, 10A TO MDCA #3 - ESS BUS 3AB  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5640
NASA FMEA #: 05-6-2338-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5640
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5641
NASA FMEA #: 05-6-2339-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5641
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-712
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5642
NASA FMEA #: 05-6-2188-1
SUBSYSTEM: EPD&C
MDAC ID: 5642
ITEM: DIODE, BLOCKING
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-713
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87  NASA DATA:
ASSESSMENT ID: EPD&C-5643  BASELINE [ ]
NASA FMEA #: 05-6-2188-2  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5643
ITEM: DIODE, BLOCKING
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCENARIO LISTED ON THE CIL, BUT CONSIDERS THIS TO BE AN "INCREDIBLE" CREDIBLE SET OF FAILURES.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5644
NASA FMEA #: 05-6-2187-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5644
ITEM: DIODE, ISOLATION (TO MPCA-2 - ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-715
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5645
NASA FMEA #: 05-6-2187-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5645
ITEM: DIODE, ISOLATION (TO MPCA-2 - ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-716
APPENDIX C
ASSESSMENT WORKSHEET

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ASSESSMENT ID: EPD&C-5646                        BASELINE [ ]
NASA FMEA #: 05-6-2271-1                         NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5646
ITEM: FUSE, 3A TO GSE MONITOR

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

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REMARKS:
**APPENDIX C**
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87
**ASSESSMENT ID:** EPD&C-5647
**NASA FMEA #:** 05-6-2272-1

**SUBSYSTEM:** EPD&C
**MDAC ID:** 5647
**ITEM:** FUSE, 10A TO ALCA-2

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)

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**REMARKS:**

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**REPORT DATE 02/23/88**

C-718
## APPENDIX C
### ASSESSMENT WORKSHEET

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* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

REPORT DATE 02/23/88 C-719
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5649
NASA FMEA #: 05-6-2273-1
SUBSYSTEM: EPD&C
MDAC ID: 5649
ITEM: FUSE, 15A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-720
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5650
NASA FMEA #: 05-6-2273-1
SUBSYSTEM: EPD&C
MDAC ID: 5650
ITEM: FUSE, 5A
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

NASA FMEA #: 05-6-2273-1
SUBSYSTEM: EPD&C
MDAC ID: 5650
ITEM: FUSE, 5A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REPORT DATE 02/23/88 C-721
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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NASA FMEA #: 05-6-2273-1
NEW [ X ]
SUBSYSTEM: EPD&C
ITEM: FUSE, 5A
MDAC ID: 5651
LEAD ANALYST: K. SCHMECKPEPER
ITEM: FUSE, 5A
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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-722
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5652
NASA FMEA #: 05-6-2273-1

SUBSYSTEM: EPD&C
MDAC ID: 5652
ITEM: FUSE, 5A

LEAD ANALYST: K. SCHMECKPEPER

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REPORT DATE 02/23/88 C-723
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5653
NASA FMEA #: 05-6-2273-1
SUBSYSTEM: EPD&C
MDAC ID: 5653
ITEM: FUSE, 15A
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:
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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-724
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5654
NASA FMEA #: 05-6-2274-1
SUBSYSTEM: EPD&C
MDAC ID: 5654
ITEM: FUSE, 5A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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FLIGHT HDW/FUNC A B C ITEM

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-725
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5655  
**NASA FMEA #:** 05-6-2273-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5655  
**ITEM:** FUSE, 15A

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS

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**CIL RETENTION RATIONALE:** (If applicable)

- ADEQUATE [ ]
- INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**

_C-726_
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5656
NASA FMEA #: 05-6-2272-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5656
ITEM: FUSE, 10A TO ALCA-3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-727
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-5657  
NASA FMEA #: 05-6-2272-1  
NASA DATA:
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   NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5657  
ITEM: FUSE, 10A TO ALCA-1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88  
C-728
# APPENDIX C
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5658  
**NASA FMEA #:** 05-6-2271-1  
**NASA DATA:**  
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- NEW [ x ]  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5658  
**ITEM:** FUSE, 3A TO GSE MONITOR  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)  
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* **CIL RETENTION RATIONALE:** (If applicable)  
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  - INADEQUATE [ ]

**REMARKS:**

**REPORT DATE** 02/23/88  
C-729
APPENDIX C
ASSESSMENT WORKSHEET

ASSessment DATE: 6/13/87
ASSESSMENT ID: EPD&C-5659
NASA FMEA #: 05-6-2471-2

NASA DATA:
BASELINE [    ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5659
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-J1(17)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5660
NASA FMEA #: 05-6-2471-1
NASA DATA: BASELINE [ ] NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5660
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-J1(17)"

REPORT DATE 02/23/88 C-731
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5661
NASA FMEA #: 05-6-2471-2

SUBSYSTEM: EPD&C
MDAC ID: 5661
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-J1(16)".

REPORT DATE 02/23/88 C-732
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5662
NASA FMEA #: 05-6-2471-1
SUBSYSTEM: EPD&C
MDAC ID: 5662
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-J1(16)"

REPORT DATE 02/23/88 C-733
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-5663  
**NASA FMEA #:** 05-6-2472-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5663  
**ITEM:** HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)  
ADEQUATE [ ]  
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**REMARKS:**  
IOA NEVER RECEIVED AN UPDATED FMEA FOR THIS COMPONENT. AS OF 2/12/88, IT WAS NOT ON THE CIL LIST.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5664
NASA FMEA #: 05-6-2472-1
SUBSYSTEM: EPD&C
MDAC ID: 5664
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-735
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5665
NASA FMEA #: 05-6-2472-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5665
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC

REDUNDANCY SCREENS
A  B  C

CIL ITEM

NASA [ 3 /1R ] [ P ] [ NA] [ P ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ]
COMPAR [ /N ] [ N ] [ N ] [ N ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA NEVER RECEIVED AN UPDATED FMEA FOR THIS COMPONENT. AS OF 2/12/88, IT WAS NOT ON THE CIL LIST.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5666
NASA FMEA #: 05-6-2472-1
ASSESSMENT ID: EPD&C
MDAC ID: 5666
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-737
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5667
NASA FMEA #: 05-6-2471-2
NASA DATA: BASELINE [ ] NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5667
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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|COMPARE [ /N ] | [ N ] | [ N ] | [ N ] | [ N ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "82V76A17ARI-J1(17)".

REPORT DATE 02/23/88 C-738
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5668
NASA FMEA #: 05-6-2471-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5668
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17ARI-J1(17)"

REPORT DATE 02/23/88  C-739
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5669
NASA FMEA #: 05-6-2471-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5669
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "82V76A17ARI-J1(16)".

REPORT DATE 02/23/88 C-740
**APPENDIX C**

**ASSESSMENT WORKSHEET**

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-5670  
NASA FMEA #: 05-6-2471-1  

**NASA DATA:**  
BASELINE [   ]  
NEW [ X ]

**SUBSYSTEM:** EPD&C  
MDAC ID: 5670  
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**

REFERENCE DESIGNATOR SHOULD READ "82V76A17ARI-JI(16)"

REPORT DATE 02/23/88  C-741
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5671
NASA FMEA #: 05-6-2471-2

SUBSYSTEM: EPD&C
MDAC ID: 5671
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "81V76A16ARI-J1(17)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5672
NASA FMEA #: 05-6-2471-1

NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5672
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARISON [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16ARI-J1(17)"

REPORT DATE 02/23/88 C-743
**APPENDIX C**

**ASSESSMENT WORKSHEET**

| ASSESSMENT DATE: | 6/13/87 |
| ASSESSMENT ID: | EPD&C-5673 |
| NASA FMEA #: | 05-6-2471-2 |
| NASA DATA: |
| BASELINE [ ] |
| NEW [ X ] |
| SUBSYSTEM: | EPD&C |
| MDAC ID: | 5673 |
| ITEM: | HYBRID DRIVER TYPE I (INHIBIT BUS 2) |
| LEAD ANALYST: | K. SCHMECKPEPER |
| ASSESSMENT: |
| CRITICITY REDUNDANCY SCREENS CIL |
| FLIGHT HDW/FUNC A B C ITEM |
| NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] * |
| IOA [ 3 /3 ] [ ] [ ] [ ] [ ] |
| COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ] |
| RECOMMENDATIONS: (If different from NASA) |
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| (ADD/DELETE) |
| * CIL RETENTION RATIONALE: (If applicable) |
| ADEQUATE [ X ] |
| INADEQUATE [ ] |
| REMARKS: |
| IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "81V76A16ARI-J1(16)". |
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5674
NASA FMEA #: 05-6-2471-1

SUBSYSTEM: EPD&C
MDAC ID: 5674
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

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IOA [3/3] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16ARI-J1(16)"

REPORT DATE 02/23/88 C-745
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-5675  
**NASA FMEA #:** 05-6-2472-2

**NASA DATA:**  
- BASELINE [ ]  
- NEW [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5675  
**ITEM:** HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)  

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

- ADEQUATE [ ]
- INADEQUATE [ ]

**REMARKS:**  
IOA NEVER RECEIVED AN UPDATED FMEA FOR THIS COMPONENT. AS OF 2/12/88, IT WAS NOT ON THE CIL LIST.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5676
NASA FMEA #: 05-6-2472-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5676
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-747
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5677
NASA FMEA #: 05-6-2230-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5677
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN A)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-748
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5678
NASA FMEA #: 05-6-2230-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5678
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN A)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5679
NASA FMEA #: 05-6-2230-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5679
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-750
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-5680  BASELINE [ ]
NASA FMEA #: 05-6-2230-2  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5680
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-751
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5681
NASA FMEA #: 05-6-2230-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5681
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-752
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5682
NASA FMEA #: 05-6-2230-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5682
ITEM: SWITCH, TOGGLE (CONTROL BUS PWR MN C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-753
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5683
NASA FMEA #: 05-6-2358-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5683
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSSES AB & CA RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-754
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 7/02/87
ASSESSMENT ID: EPD&C-5683A
NASA FMEA #: 05-6-2358-2
SUBSYSTEM: EPD&C
MDAC ID: 5683
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSSES AB & CA RESET)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-755
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5684
NASA FMEA #: 05-6-2358-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5684
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSSES AB & BC RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88  C-756
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 7/02/87
ASSESSMENT ID: EPD&C-5684A
NASA FMEA #: 05-6-2358-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5684
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSSES AB & BC RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-757
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5685
NASA FMEA #: 05-6-2358-1
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SUBSYSTEM: EPD&C
MDAC ID: 5685
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSSES CA & BC RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88  C-758
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 7/02/87
ASSESSMENT ID: EPD&C-5685A
NASA FMEA #: 05-6-2358-2
NASA DATA: BASELINE [ ]

SUBSYSTEM: EPD&C
MDAC ID: 5685
ITEM: RESISTOR, 1.2K 2W (TO CONT BUSES CA & BC RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-759
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5686
NASA FMEA #: 05-6-2284-1

SUBSYSTEM: EPD&C
MDAC ID: 5686
ITEM: FUSE, 5A TO FLCA-1 (CONT BUS PWR)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-760
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5687
NASA FMEA #: 05-6-2386-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5687
ITEM: RPC, 5A TO CONT BUS CA1 & AB1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-761
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5688
NASA FMEA #: 05-6-2386-2

NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5688
ITEM: RPC, 5A TO CONT BUS CA1 & AB1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-762
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5689
NASA FMEA #: 05-6-2386-1

SUBSYSTEM: EPD&C
MDAC ID: 5689
ITEM: RPC, 5A TO CONT BUS CA2 & AB2

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-763
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5690
NASA FMEA #: 05-6-2386-2

SUBSYSTEM: EPD&C
MDAC ID: 5690
ITEM: RPC, 5A TO CONT BUS CA2 & AB2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-764
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5691
NASA FMEA #: 05-6-2386-1
SUBSYSTEM: EPD&C
MDAC ID: 5691
ITEM: RPC, 5A TO CONT BUS CA3 & AB3
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-765
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5692
NASA FMEA #: 05-6-2386-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: MDAC
MDAC ID: 5692
ITEM: RPC, 5A TO CONT BUS CA3 & AB3

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5693
NASA FMEA #: 05-6-2197-1

SUBSYSTEM: EPD&C
MDAC ID: 5693
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5693A
NASA FMEA #: 05-6-2197-3
SUBSYSTEM: EPD&C
MDAC ID: 5693
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)
LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-768
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5694
NASA FMEA #: 05-6-2197-2

SUBSYSTEM: EPD&C
MDAC ID: 5694
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5695
NASA FMEA #: 05-6-2197-2
NASA DATA: BASELINE [ ] NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5695
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5696
NASA FMEA #: 05-6-2197-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5696
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA1)

LEAD ANALYST: K. SCHMECKPEPER

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**APPENDIX C**

**ASSESSMENT WORKSHEET**

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5696A
NASA FMEA #: 05-6-2197-3

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SUBSYSTEM: EPD&C
MDAC ID: 5696
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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REMARKS:

REPORT DATE 02/23/88  C-772
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5697
NASA FMEA #: 05-6-2197-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5697
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-773
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5697A
NASA FMEA #: 05-6-2197-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5697
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-774
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5698
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5698
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5699
NASA FMEA #: 05-6-2197-2
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5699
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5700
ASSESSMENT ID: EPD&C-5700
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5700
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5700
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88  C-777
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5700A
NASA FMEA #: 05-6-2197-3

NASA DATA:
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NEW [   ]

SUBSYSTEM: EPD&C
MDAC ID: 5700
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-778
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
NASA DATA:
ASSESSMENT ID: EPD&C-5701
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5701
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88 C-779
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5701A
NASA FMEA #: 05-6-2197-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5701
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-780
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5702
NASA FMEA #: 05-6-2197-2
SUBSYSTEM: EPD&C
MDAC ID: 5702
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88 C-781
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5703
NASA FMEA #: 05-6-2197-2
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5703
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
**APPENDIX C**
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5704  
**NASA FMEA #:** 05-6-2197-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5704  
**ITEM:** DIODE, ISOLATION 12A (TO CONT BUS CA3)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:**  (If different from NASA)

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:**  (If applicable)

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| INADEQUATE | [ ] |

**REMARKS:**

**REPORT DATE 02/23/88  C-783**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5704A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5704
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-784
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5705
NASA FMEA #: 05-6-2341-1
SUBSYSTEM: EPD&C
MDAC ID: 5705
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-785
## APPENDIX C
### ASSESSMENT WORKSHEET

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5706  
**ITEM:** RESISTOR, 2.2K 1/2W (TO MDM OF1)  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5707  
**NASA FMEA #:** 05-6-2341-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5707  
**ITEM:** RESISTOR, 2.2K 1/2W (TO MDM OF1)  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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**CIL RETENTION RATIONALE:** (If applicable)

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**REPORT DATE 02/23/88 C-787**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:  BASELINE [ ]
ASSESSMENT ID: EPD&C-5708  NEW [ X ]
NASA FMEA #: 05-6-2325-1

SUBSYSTEM: EPD&C
MDAC ID: 5708
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF1)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5709
NASA FMEA #: 05-6-2340-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5709
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-789
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5710
NASA FMEA #: 05-6-2325-1
NASA DATA:  
BASELINE [ ]  
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5710
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF1)
LEAD ANALYST: K. SCHMECKPEPER

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REMARKS:

REPORT DATE 02/23/88   C-790
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5711
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5711
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-791
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5712
NASA FMEA #: 05-6-2325-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5712
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF1)

LEAD ANALYST: K. SCHMECKPEPER

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REMARKS:

REPORT DATE 02/23/88 C-792
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5713
NASA FMEA #: 05-6-2340-1
SUBSYSTEM: EPD&C
MDAC ID: 5713
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-793
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5714
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5714
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA1 & AB1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-794
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5715
NASA FMEA #: 05-6-2481-1
NASA DATA:
BASELINE [   ]
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SUBSYSTEM: EPD&C
MDAC ID: 5715
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA1 & AB1)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5716
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5716
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA2 & AB2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-796
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/13/87  
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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-797
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5718
NASA FMEA #: 05-6-2481-2

SUBSYSTEM: EPD&C
MDAC ID: 5718
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA3 & AB3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-798
APPENDIX C

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5719
NASA FMEA #: 05-6-2481-1

NASA DATA:
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NEW [  X  ]

SUBSYSTEM: EPD&C
MDAC ID: 5719
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA3 & AB3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5720
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5720
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC1 & AB1)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/13/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5721  
**NASA FMEA #:** 05-6-2481-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5721  
**ITEM:** HYBRID DRIVER TYPE I (CONT BUS BC1 & AB1)  
**LEAD ANALYST:** K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "B".

**REPORT DATE 02/23/88**  
**C-801**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5722
NASA FMEA #: 05-6-2481-2
SUBSYSTEM: EPD&C
MDAC ID: 5722
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC2 & AB2)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-802
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5723
NASA FMEA #: 05-6-2481-1

SUBSYSTEM: EPD&C
MDAC ID: 5723
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC2 & AB2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-803
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5724
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5724
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC3 & AB3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-804
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5725
NASA FMEA #: 05-6-2481-1

SUBSYSTEM: EPD&C
MDAC ID: 5725
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC3 & AB3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-805
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5726
NASA FMEA #: 05-6-2481-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5726
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC1 & CA1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-806
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5727
NASA FMEA #: 05-6-2481-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5727
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC1 & CA1)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable) ADEQUATE [ ] INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-807
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5728
NASA FMEA #: 05-6-2481-2
SUBSYSTEM: EPD&C
MDAC ID: 5728
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC2 & CA2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

|                       | ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-808
**APPENDIX C
ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/13/87
**ASSESSMENT ID:** EPD&C-5729
**NASA FMEA #:** 05-6-2481-1

**SUBSYSTEM:** EPD&C
**MDAC ID:** 5729
**ITEM:** HYBRID DRIVER TYPE I (CONT BUS BC2 & CA2)

**LEAD ANALYST:** K. SCHMECKPEPER

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- **IOA** [3 /1R] [P] [F] [P] [ X ]

**COMPARE** [ / ] [ ] [ N ] [ ] [ N ]

**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-809
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5730
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5730
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC3 & CA3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-810
**APPENDIX C**
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-5731  
**NASA FMEA #:** 05-6-2481-1

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5731  
**ITEM:** HYBRID DRIVER TYPE I (CONT BUS BC3 & CA3)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]  
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**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "B".

**REPORT DATE** 02/23/88  
**C-811**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5732
NASA FMEA #: 05-6-2284-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5732
ITEM: FUSE, 5A TO FLCA-2 (CONT BUS PWR)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-812
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5733
NASA FMEA #: 05-6-2386-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5733
ITEM: RPC, 5A TO CONT BUS BC1 & AB1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-813
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5734
NASA FMEA #: 05-6-2386-2

SUBSYSTEM: EPD&C
MDAC ID: 5734
ITEM: RPC, 5A TO CONT BUS BC1 & AB1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-814
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5735
NASA FMEA #: 05-6-2386-1

SUBSYSTEM: EPD&C
MDAC ID: 5735
ITEM: RPC, 5A TO CONT BUS BC2 & AB2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-815
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-5736
BASELINE [ ]
SUBSYSTEM: EPD&C
NEW [ X ]
MDAC ID: 5736
ITEM: RPC, 5A TO CONT BUS BC2 & AB2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-816
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5737
NASA FMEA #: 05-6-2386-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5737
ITEM: RPC, 5A TO CONT BUS BC3 & AB3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-817
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5738
NASA FMEA #: 05-6-2386-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5738
ITEM: RPC, 5A TO CONT BUS BC3 & AB3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-818
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5739
NASA FMEA #: 05-6-2197-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5739
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL ITEM
    FLIGHT HDW/FUNC A B C

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-819
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5739A
NASA FMEA #: 05-6-2197-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5739
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-820
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5740
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5740
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88  C-821
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5741
NASA FMEA #: 05-6-2197-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5741
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5742
NASA FMEA #: 05-6-2197-1

SUBSYSTEM: EPD&C
MDAC ID: 5742
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-823
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5742A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5742
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-824
APPENDIX C

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5743
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5743
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-825
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5743A
NASA FMEA #: 05-6-2197-3

NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5743
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-826
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
NASA DATA:
ASSESSMENT ID: EPD&C-5744
NASA FMEA #: 05-6-2197-2
SUBSYSTEM: EPD&C
MDAC ID: 5744
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5745
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5745
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5746
NASA FMEA #: 05-6-2197-1
NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5746
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ x ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5746A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5746
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-830
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5747
NASA FMEA #: 05-6-2197-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5747
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC3)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A B C

CIL
ITEM

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88 C-831
# APPENDIX C
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* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5748
NASA FMEA #: 05-6-2197-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5748
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88 C-833
APPENDIX C
ASSESSMENT WORKSHEET

| ASSESSMENT DATE: | 6/04/87 |
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| NASA FMEA #: | 05-6-2197-2 |
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| ASSESSMENT ID: | EPD&C |
| NASA FMEA #: | 5749 |
| ITEM: | DIODE, ISOLATION 12A (TO CONT BUS AB3) |
| LEAD ANALYST: | K. SCHMECKPEPER |

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT HDW/FUNC | A | B | C |
| NASA [ 2 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] * |
| IOA [ 3 /1R ] | [ F ] | [ F ] | [ P ] | [ X ] |
| COMPARE [ N / ] | [ N ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88 C-834
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
NASA DATA: BASELINE [  ]
ASSESSMENT ID: EPD&C-5750 NEW [ X ]
NASA FMEA #: 05-6-2197-1

SUBSYSTEM: EPD&C
MDAC ID: 5750
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-835
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5750A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5750
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5751
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5751
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-837
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5752
NASA FMEA #: 05-6-2341-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5752
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-838
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5753
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5753
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-839
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5754
NASA FMEA #: 05-6-2325-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5754
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5755
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5755
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5756  
**NASA FMEA #:** 05-6-2325-1  
**NASA DATA:**  
**BASELINE [ ]**  
**NEW [ x ]**  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5756  
**ITEM:** RESISTOR, 1.8K 1/4W (TO SIG COND OF2)  

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:**  
(If different from NASA)

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(ADD/DELETE)

***(ADD/DELETE)**

* **CIL RETENTION RATIONALE:**  
(If applicable)  
ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5757
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5757
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-843
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5758
NASA FMEA #: 05-6-2325-1

SUBSYSTEM: EPD&C
MDAC ID: 5758
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF2)

LEAD ANALYST: K. SHERMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-844
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5759
NASA FMEA #: 05-6-2340-1
SUBSYSTEM: EPD&C
MDAC ID: 5759
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5760
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5760
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-846
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5761
NASA FMEA #: 05-6-2325-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5761
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF3)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
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| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-847
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5762
NASA FMEA #: 05-6-2340-1
NASA DATA:

BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5762
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5763
NASA FMEA #: 05-6-2325-1
SUBSYSTEM: EPD&C
MDAC ID: 5763
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF3)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-849
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5764
NASA FMEA #: 05-6-2340-1
SUBSYSTEM: EPD&C
MDAC ID: 5764
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-850
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5765
NASA FMEA #: 05-6-2325-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5765
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF3)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-851
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5766
NASA FMEA #: 05-6-2341-1
SUBSYSTEM: EPD&C
MDAC ID: 5766
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF3)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:
CRITICALITY
FLIGHT HDW/FUNC

REDUNDANCY SCREENS A B C

CIL ITEM [ ] [ ] [ ] [ ]

ITEM [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-852
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5767
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5767
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-853
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5768
NASA FMEA #: 05-6-2341-1

SUBSYSTEM: EPD&C
MDAC ID: 5768
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-854
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5769
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5769
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA) | [ / ] | [ ] | [ ] | [ ] | [ ] |

* CIL RETENTION RATIONALE: (If applicable) | ADEQUATE | [ X ] |

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5769A
NASA FMEA #: 05-6-2197-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5769
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5770  
**NASA FMEA #:** 05-6-2197-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5770  
**ITEM:** DIODE, ISOLATION 12A (TO CONT BUS CA1)  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:**  
(If different from NASA)

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:**  
  (If applicable)

  ADEQUATE  [ X ]  
  INADEQUATE  [ ]

**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5771
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5771
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5772
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5772
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-859
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5772A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5772
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-860
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5773
NASA FMEA #: 05-6-2197-1

SUBSYSTEM: EPD&C
MDAC ID: 5773
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-861
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5773A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5773
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5774
NASA FMEA #: 05-6-2197-2
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5774
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5775
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5775
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5776
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5776
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5776A
NASA FMEA #: 05-6-2197-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5776
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5777
NASA FMEA #: 05-6-2197-1
SUBSYSTEM: EPD&C
MDAC ID: 5777
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA3)
LEAD ANALYST: K. SCHMECKPEPER

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*CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5777A
NASA FMEA #: 05-6-2197-3

NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5777
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5778
NASA FMEA #: 05-6-2197-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5778
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5779
NASA FMEA #: 05-6-2197-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5779
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5780
NASA FMEA #: 05-6-2197-1
NASA DATA: BASELINE [ ], NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5780
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC3)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5780A
NASA FMEA #: 05-6-2197-3

SUBSYSTEM: EPD&C
MDAC ID: 5780
ITEM: DIODE, ISOLATION 12A (TO CONT BUS BC3)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-872
**APPENDIX C**
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5781  
**NASA FMEA #:** 05-6-2386-1  
**NASA DATA:**  
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**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:**  (If different from NASA)

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* **CIL RETENTION RATIONALE:**  (If applicable)
  
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**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**

REPORT DATE 02/23/88 C-874
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5783
NASA FMEA #: 05-6-2386-1
SUBSYSTEM: EPD&C
MDAC ID: 5783
ITEM: RPC, 5A TO CONT BUS CA2 & BC2
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-875
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5784
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NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5784
ITEM: RPC, 5A TO CONT BUS CA2 & BC2

LEAD ANALYST: K. SCHMECKPEPER

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REMARKS:

REPORT DATE 02/23/88 C-876
APPENDIX C
ASSESSMENT WORKSHEET

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ASSESSMENT ID: EPD&C-5785
NASA FMEA #: 05-6-2386-1
SUBSYSTEM: EPD&C
MDAC ID: 5785
ITEM: RPC, 5A TO CONT BUS CA3 & BC3
LEAD ANALYST: K. SCHMECKPEPER

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REMARKS:

REPORT DATE 02/23/88 C-878
APPENDIX C
ASSESSMENT WORKSHEET

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ASSESSMENT ID: EPD&C-5787
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NASA DATA:
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SUBSYSTEM: EPD&C
MDAC ID: 5787
ITEM: FUSE, 5A TO FLCA-3 (CONT BUS PWR)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-879
## APPENDIX C
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**NASA FMEA #:** NONE  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5788  
**ITEM:** FUSE, 1A TO P/L RETENTION LATCHES SYS 1  
**LEAD ANALYST:** K. SCHMECKPEPER  

**ASSESSMENT:**

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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**

FIRST FAILURE WOULD CAUSE LOSS OF POWER TO MICROSWITCHES ON SOME PAYLOAD RETENTION LATCHES. THESE ARE NON-CRITICAL INDICATOR CIRCUITS FOR THE STATE OF THE LATCHES. ALTERNATE INDICATORS ARE AVAILABLE TO THE CREW.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5789
NASA FMEA #: NONE
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5789
ITEM: FUSE, 1A TO P/L RETENTION LATCHES SYS 2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
FIRST FAILURE WOULD CAUSE LOSS OF POWER TO MICROSWITCHES ON SOME PAYLOAD RETENTION LATCHES. THESE ARE NON-CRITICAL INDICATOR CIRCUITS FOR THE STATE OF THE LATCHES. ALTERNATE INDICATORS ARE AVAILABLE TO THE CREW.

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SUBSYSTEM: EPD&C
MDAC ID: 5791
ITEM: FUSE, 5A TO CONT BUS AB2
LEAD ANALYST: K. SCHMECKPEPER

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REMARKS:

REPORT DATE 02/23/88 C-883
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5792
NASA FMEA #: 05-6-2262-1

SUBSYSTEM: EPD&C
MDAC ID: 5792
ITEM: FUSE, 5A TO CONT BUS AB3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-884
APPENDIX C
ASSESSMENT WORKSHEET

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SUBSYSTEM: EPD&C
MDAC ID: 5793
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LEAD ANALYST: K. SCHMECKPEPER

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LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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REMARKS:
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SUBSYSTEM: EPD&C
MDAC ID: 5795
ITEM: FUSE, 5A TO CONT BUS BC3
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

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* CIL RETENTION RATIONALE: (If applicable)
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REPORT DATE 02/23/88  C-887
APPENDIX C
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SUBSYSTEM: EPD&C
MDAC ID: 5796
ITEM: FUSE, 5A TO CONT BUS CA1

LEAD ANALYST: K. SCHMECKPEPER

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NASA FMEA #: 05-6-2262-1

ASSESSMENT ID: EPD&C-5797
SUBSYSTEM: EPD&C
MDAC ID: 5797
ITEM: FUSE, 5A TO CONT BUS CA2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-890
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5799
NASA FMEA #: 05-6-2619-1
ASSESSMENT ID: EPD&C-5799
NASA FMEA #: 05-6-2619-1
SUBSYSTEM: EPD&C
MDAC ID: 5799
ITEM: FUSE, 1A TO MMCA-1 & 2
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5800
NASA FMEA #: 05-6-2619-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5800
ITEM: FUSE, IA TO MMCA-1 & 2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 2 /1R ] [ P ] [ F ] [ P ] [ X ]
COMPARE [ N / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-892
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5801
NASA FMEA #: 05-6-2620-1

SUBSYSTEM: EPD&C
MDAC ID: 5801
ITEM: FUSE, 1A TO MMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSIGNMENT DATE: 12/07/87
ASSIGNMENT ID: EPD&C-5802
NASA FMEA #: 05-6-2620-1

SUBSYSTEM: EPD&C
MDAC ID: 5802
ITEM: FUSE, 1A TO MMCA-2
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-894
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5803
NASA FMEA #: 05-6-2619-1
SUBSYSTEM: EPD&C
MDAC ID: 5803
ITEM: FUSE, 1A TO MMCA-2 & 1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-895
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5804
NASA FMEA #: 05-6-2619-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5804
ITEM: FUSE, 1A TO MMCA-2 & 1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5805
NASA FMEA #: 05-6-2619-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5805
ITEM: FUSE, 1A TO MMCA-4 & 3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5806
NASA FMEA #: 05-6-2619-1
SUBSYSTEM: EPD&C
MDAC ID: 5806
ITEM: FUSE, 1A TO MMCA-4 & 3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5807
NASA FMEA #: 05-6-2620-1
SUBSYSTEM: EPD&C
MDAC ID: 5807
ITEM: FUSE, 1A TO MMCA-4 & 3
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-899
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5808
NASA FMEA #: 05-6-2620-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5808
ITEM: FUSE, 1A TO MMCA-4 & 3

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-900
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5809
NASA FMEA #: 05-6-2619-1
SUBSYSTEM: EPD&C
MDAC ID: 5809
ITEM: FUSE, 1A TO MMCA-4 & 3
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5810
NASA FMEA #: 05-6-2619-1

SUBSYSTEM: EPD&C
MDAC ID: 5810
ITEM: FUSE, 1A TO MMCA-4 & 3

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88   C-902
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5811
NASA FMEA #: 05-6-2903-1
NASA DATA:
BASELINE [   ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5811
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88  C-903
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5812
NASA FMEA #: 05-6-2903-2

SUBSYSTEM: EPD&C
MDAC ID: 5812
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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IOA [ 3 /1R ] [ F ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ N ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5813
NASA FMEA #: 05-6-2903-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5813
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.

REPORT DATE 02/23/88 C-905
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5814
NASA FMEA #: 05-6-2903-1

SUBSYSTEM: EPD&C
MDAC ID: 5814
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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NASA DATA:
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NEW [ X ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-906
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5815
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5815
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-907
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5816
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5816
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCOURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5817
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5817
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5818
NASA FMEA #: 05-6-2903-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5818
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | A | B | C |
| HDW/FUNC | [ 3 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] * |
| NASA | | | | | |
| IOA | [ 3 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] |
| COMPARE | [ / ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-910
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5819
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5819
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS: 

REPORT DATE 02/23/88 C-911
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5820
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5820
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.

REPORT DATE 02/23/88 C-912
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5821
NASA FMEA #: 05-6-2903-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5821
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ ] [ ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSO PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5822
NASA FMEA #: 05-6-2903-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5822
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-914
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5823
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5823
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS
FLIGHT HDW/FUNC A B C CIL ITEM
NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ]
COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-915
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5824
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5824
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5825
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5825
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "A". THE REVISED OMRSD PROCEDURES WILL DETECT THIS FAILURE MODE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5826
NASA FMEA #: 05-6-2903-1

SUBSYSTEM: EPD&C
MDAC ID: 5826
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-918
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
NASA DATA:

ASSESSMENT ID: EPD&C-5827
NASA FMEA #: 05-6-2658-1

SUBSYSTEM: EPD&C
MDAC ID: 5827
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-919
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5828
NASA FMEA #: 05-6-2658-2

SUBSYSTEM: EPD&C
MDAC ID: 5828
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [

REMARKS:
IOA CONCURS WITH NASA THAT THIS FAILURE WOULD CAUSE THE INADVERTENT POWERING OF THE PAYLOAD BAY MECHANICAL Busses. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5829
NASA FMEA #: 05-6-2658-2

SUBSYSTEM: EPD&C
MDAC ID: 5829
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA THAT THIS FAILURE WOULD CAUSE THE INADVERTENT POWERING OF THE PAYLOAD BAY MECHANICAL BUSSES. IOA CONCURS WITH THE NASA REEVALUATION.
**APPENDIX C  
ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/07/87  
**ASSESSMENT ID:** EPD&C-5830  
**NASA FMEA #:** 05-6-2658-1  

**NASA DATA:**  
- **BASELINE** [ ]  
- **NEW** [ X ]  

**SUBSYSTEM:**  
**MDAC ID:** EPD&C  
**ITEM:** 5830  
**ITEM:** SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 2)  

**LEAD ANALYST:** K. SCHMECKPEPER  

**ASSESSMENT:**  

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**RECOMMENDATIONS:** (If different from NASA)  

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(ADD/DELETE)  

* **CIL RETENTION RATIONALE:** (If applicable)  

ADEQUATE [ X ]  
INADEQUATE [ ]  

**REMARKS:**  
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5831
NASA FMEA #: 05-6-2245-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5831
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 A)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-923
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5832
NASA FMEA #: 05-6-2245-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5832
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 A)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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ADD/DELETE

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5833
NASA FMEA #: 05-6-2245-1
SUBSYSTEM: EPD&C
MDAC ID: 5833
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 B)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5833
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ NA] [ P ] [ ] *
IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ N ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5834
NASA FMEA #: 05-6-2245-2

SUBSYSTEM: EPD&C
MDAC ID: 5834
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-926
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5835
NASA FMEA #: 05-6-2245-1
SUBSYSTEM: EPD&C
MDAC ID: 5835
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 C)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-927
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5836
NASA FMEA #: 05-6-2245-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5836
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| COMPARE | [ /N ] | [ N ] | [ N ] | [ N ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-5837
NASA FMEA #: 05-6-2215-1
SUBSYSTEM: EPD&C
MDAC ID: 5837
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #1)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ NA] [ P ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ /N ] [ N ] [ N ] [ N ] [ ]

RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS OPEN. IOA CONCURS WITH NASA'S REEVALUATION.

REPORT DATE 02/23/88 C-929
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/18/87  
**ASSESSMENT ID:** EPD&C-5837A  
**NASA FMEA #:** 05-6-2215-3  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:** (If applicable)

   ADEQUATE [ ]
   INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88 C-930**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-5838
NASA FMEA #: 05-6-2215-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5838
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5839
NASA FMEA #: 05-6-2488-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5839
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS:
(If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-932
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5840
NASA FMEA #: 05-6-2488-1
SUBSYSTEM: EPD&C
MDAC ID: 5840
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 ON)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-933
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5841
NASA FMEA #: 05-6-2489-2

SUBSYSTEM: EPD&C
MDAC ID: 5841
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(I)J1-2".

REPORT DATE 02/23/88 C-934
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-5842  BASELINE [ ]
NASA FMEA #: 05-6-2489-1  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5842
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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COMPARE | / | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(I)J1-2".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5843
NASA FMEA #: 05-6-2485-2

SUBSYSTEM: EPD&C
MDAC ID: 5843
ITEM: HYBRID DRIVER TYPE II (INV 1 A ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

Adequate [ X ]
Inadequate [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(1)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-936
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5844
NASA FMEA #: 05-6-2485-1
SUBSYSTEM: EPD&C
MDAC ID: 5844
ITEM: HYBRID DRIVER TYPE II (INV 1 A ON)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY

FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A B C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(1)".

REPORT DATE 02/23/88 C-937
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5845
NASA FMEA #: 05-6-2485-2

SUBSYSTEM: EPD&C
MDAC ID: 5845
ITEM: HYBRID DRIVER TYPE II (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(2)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5846
NASA FMEA #: 05-6-2485-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5846
ITEM: HYBRID DRIVER TYPE II (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(2)".

REPORT DATE 02/23/88 C-939
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5847
NASA FMEA #: 05-6-2485-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5847
ITEM: HYBRID DRIVER TYPE II (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A  B  C

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(3)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5848
NASA FMEA #: 05-6-2485-1

SUBSYSTEM: EPD&C
MDAC ID: 5848
ITEM: HYBRID DRIVER TYPE II (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(3)".

REPORT DATE 02/23/88 C-941
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5849
NASA FMEA #: 05-6-2486-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5849
ITEM: HYBRID DRIVER TYPE III (INV 1 A ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(1)".

REPORT DATE 02/23/88 C-942
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5850
NASA FMEA #: 05-6-2486-1
SUBSYSTEM: EPD&C
MDAC ID: 5850
ITEM: HYBRID DRIVER TYPE III (INV 1 A ON)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:
CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ] [ ]

(REMNOTE: ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(1)".

REPORT DATE 02/23/88 C-943
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5851
NASA FMEA #: 05-6-2486-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5851
ITEM: HYBRID DRIVER TYPE III (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(2)".

REPORT DATE 02/23/88 C-944
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5852
NASA FMEA #: 05-6-2486-1
NASA DATA:

BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5852
ITEM: HYBRID DRIVER TYPE III (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(2)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5853
NASA FMEA #: 05-6-2486-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5853
ITEM: HYBRID DRIVER TYPE III (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(3)".

REPORT DATE 02/23/88 C-946
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5854
NASA FMEA #: 05-6-2486-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5854
ITEM: HYBRID DRIVER TYPE III (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
  ADEQUATE [ ]
  INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(3)".

REPORT DATE 02/23/88 C-947
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5855
NASA FMEA #: 05-6-2487-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5855
ITEM: HYBRID DRIVER TYPE III (INV 1 A OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

NASA [ 3 /1R ] [ P ] [ P ] [ P ] [ ] *
IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-948
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5856
NASA FMEA #: 05-6-2487-1

SUBSYSTEM: EPD&C
MDAC ID: 5856
ITEM: HYBRID DRIVER TYPE III (INV 1 A OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA’S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5857
NASA FMEA #: 05-6-2487-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5857
ITEM: HYBRID DRIVER TYPE III (INV 1 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-950
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5858
NASA FMEA #: 05-6-2487-1
SUBSYSTEM: EPD&C
MDAC ID: 5858
ITEM: HYBRID DRIVER TYPE III (INV 1 B OFF)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-951
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5859
NASA FMEA #: 05-6-2487-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5859
ITEM: HYBRID DRIVER TYPE III (INV 1 C OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-952
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5860
NASA FMEA #: 05-6-2487-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5860
ITEM: HYBRID DRIVER TYPE III (INV 1 C OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ]

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-953
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5861
NASA FMEA #: 05-6-2139-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: MDAC
MDAC ID: 5861
ITEM: RELAY, LATCHING TO INVERTER 1A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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COMPARE [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-954
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5862
NASA FMEA #: 05-6-2139-2

SUBSYSTEM: EPD&C
MDAC ID: 5862
ITEM: RELAY, LATCHING TO INVERTER 1A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5863
NASA FMEA #: 05-6-2139-1

SUBSYSTEM: EPD&C
MDAC ID: 5863
ITEM: RELAY, LATCHING TO INVERTER 1B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-956
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5864
NASA FMEA #: 05-6-2139-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5864
ITEM: RELAY, LATCHING TO INVERTER 1B

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5865
NASA FMEA #: 05-6-2139-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5865
ITEM: RELAY, LATCHING TO INVERTER 1C

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS:  (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-958
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5866
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 5866
ITEM: RELAY, LATCHING TO INVERTER 1C
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALLY REDUNDANCY SCREENS CIL

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-959
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5867
NASA FMEA #: 05-6-2287-1
SUBSYSTEM: EPD&C
MDAC ID: 5867
ITEM: FUSE, 80A TO INV 1A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-960
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5868
NASA FMEA #: 05-6-2287-1

SUBSYSTEM: EPD&C
MDAC ID: 5868
ITEM: FUSE, 80A TO INV 1 B

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-961
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5869
NASA FMEA #: 05-6-2287-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5869
ITEM: FUSE, 80A TO INV 1 C

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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(If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-962
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5870
NASA FMEA #: 05-6-2346-1
SUBSYSTEM: EPD&C
MDAC ID: 5870
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5871
NASA FMEA #: 05-6-2346-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5871
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-964
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5872
NASA FMEA #: 05-6-2346-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5872
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5873
NASA FMEA #: 05-6-2199-1

SUBSYSTEM: EPD&C
MDAC ID: 5873
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-966
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5874
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 5874
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-967
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5875  
**NASA FMEA #:** 05-6-2199-1  
**NASA DATA:**  
- BASELINE [ ]  
- NEW [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5875  
**ITEM:** DIODE, ISOLATION

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)

  ADEQUATE [ ]

  INADEQUATE [ ]

**REMARKS:**

**REPORT DATE** 02/23/88  
C-968
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5876
NASA FMEA #: 05-6-2199-1
ASSESSMENT ID: EPD&C-5876
MDAC ID: 5876
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
ITEM: DIODE, ISOLATION

ASSESSMENT:
CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C ITEM

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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-969
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5877
NASA FMEA #: 05-6-2199-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5877
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-970
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5878
NASA FMEA #: 05-6-2199-1
NASA DATA:
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 5878
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-971
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5879
NASA FMEA #: 05-6-2390-2

SUBSYSTEM: MDAC
ID: 5879
ITEM: RPC, 7.5A TO INV 1 A

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-972
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5880
NASA FMEA #: 05-6-2390-1
NASA DATA:
 Baseline [ ]
 New [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5880
ITEM: RPC, 7.5A TO INV 1 A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-973
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5881
NASA FMEA #: 05-6-2390-2
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5881
ITEM: RPC, 7.5A TO INV 1 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ] INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-974
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5882
NASA FMEA #: 05-6-2390-1
SUBSYSTEM: EPD&C
MDAC ID: 5882
ITEM: RPC, 7.5A TO INV 1 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-975
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-5883  
NASA FMEA #: 05-6-2390-2  
SUBSYSTEM: EPD&C  
MDAC ID: 5883  
ITEM: RPC, 7.5A TO INV 1 C  
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS:  (If different from NASA)

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* CIL RETENTION RATIONALE:  (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

REMARKS:  

REPORT DATE 02/23/88   C-976
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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NASA FMEA #: 05-6-2390-1
SUBSYSTEM: EPD&C
MDAC ID: 5884
ITEM: RPC, 7.5A TO INV 1 C
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5885
NASA FMEA #: 05-6-2015-1

SUBSYSTEM: EPD&C
MDAC ID: 5885
ITEM: INVERTER 1 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5886
NASA FMEA #: 05-6-2015-2
NASA DATA: BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5886
ITEM: INVERTER 1 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-979
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5887
NASA FMEA #: 05-6-2015-3

SUBSYSTEM: EPD&C
MDAC ID: 5887
ITEM: INVERTER 1 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ] INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-980
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5888
NASA FMEA #: 05-6-2015-4
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5888
ITEM: INVERTER 1 A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | | |
| HDW/FUNC | A | B | C | ITEM |
| NASA [ 2 /1R ] | [ P ] | [ P ] | [ P ] | [ X ] * |
| IOA [ 3 /1R ] | [ P ] | [ P ] | [ P ] | [ ] |
| COMPARE [ N / ] | [ ] | [ ] | [ ] | [ N ] |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-5888A
NASA FMEA #: 05-6-2015-5
SUBSYSTEM: EPD&C
MDAC ID: 5888
ITEM: INVERTER 1 A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5889
NASA FMEA #: 05-6-2015-1

SUBSYSTEM: EPD&C
MDAC ID: 5889
ITEM: INVERTER 1 B

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-983
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87  
ASSESSMENT ID: EPD&C-5890  
NASA FMEA #: 05-6-2015-2  

NASA DATA:  
BASELINE [    ]  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5890  
ITEM: INVERTER 1 B  

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS:  (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:  

REPORT DATE 02/23/88  
C-984
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5891
NASA FMEA #: 05-6-2015-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

NASA FMEA #:
05-6-2015-3

SUBSYSTEM: EPD&C
MDAC ID: 5891
ITEM: INVERTER 1 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-985
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5892
NASA FMEA #: 05-6-2015-4

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5892
ITEM: INVERTER 1 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-5892A
NASA FMEA #: 05-6-2015-5
SUBSYSTEM: EPD&C
MDAC ID: 5892
ITEM: INVERTER 1 B
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | A | B | C | ITEM |
| HDW/FUNC | | | | |
| NASA [2/1R] | [P] | [P] | [P] | [X] * |
| IOA [2/1R] | [P] | [P] | [P] | [X] |
| COMPARE | / | | | |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5893
NASA FMEA #: 05-6-2015-1
SUBSYSTEM: EPD&C
MDAC ID: 5893
ITEM: INVERTER 1 C
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5893
ITEM: INVERTER 1 C
LEAD ANALYST: K. SCHMECKPEPER

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NASA [ ]
IOA [ ]
COMPARE [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-988
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5894
NASA FMEA #: 05-6-2015-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5894
ITEM: INVERTER 1 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

* ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-989
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5895
NASA FMEA #: 05-6-2015-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5895
ITEM: INVERTER 1 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-990
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5896
NASA FMEA #: 05-6-2015-4
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5896
ITEM: INVERTER 1 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87  
ASSESSMENT ID:  EPD&C-5896A  
NASA FMEA #:  05-6-2015-5  
NASA DATA:  BASELINE [    ]  NEW [ X ]

SUBSYSTEM:  EPD&C  
MDAC ID:  5896  
ITEM:  INVERTER 1 C  
LEAD ANALYST:  K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [    ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-5897
NASA FMEA #: 05-6-2216-1
SUBSYSTEM: EPD&C
MDAC ID: 5897
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "ON" POSITION, "ON" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-5898
NASA FMEA #: 05-6-2216-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5898
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION, "OFF" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.

REPORT DATE 02/23/88 C-994
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5899
NASA FMEA #: 05-6-2475-1
SUBSYSTEM: EPD&C
MDAC ID: 5899
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 ON)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-995
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5900
NASA FMEA #: 05-6-2475-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5900
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION BECAUSE IOA THOUGHT THE INVERTER INPUT POWER WAS SUPPLIED THROUGH A LATCHING RELAY AND THE RELAY DOES NOT LATCH.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5901
NASA FMEA #: 05-6-2474-1

SUBSYSTEM: EPD&C
MDAC ID: 5901
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(III)J1-109".

REPORT DATE 02/23/88  C-997
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5902
NASA FMEA #: 05-6-2474-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5902
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(III)J1-109".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5903
NASA FMEA #: NASA FMEA #:
SUBSYSTEM: EPD&C
MDAC ID: 5903
ITEM: FUSE, 3A TO AC BUS 1 CMD
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-999
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5904
NASA FMEA #: NEW # UNKNOWN

SUBSYSTEM: EPD&C
MDAC ID: 5904
ITEM: FUSE, 3A TO AC BUS 1 CMD

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1000
# APPENDIX C
## ASSESSMENT WORKSHEET

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## RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

## REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5906
NASA FMEA #: 05-6-2361-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5906
ITEM: AC OVER/UNDER VOLT SNSR 1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1002
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87

**ASSESSMENT ID:** EPD&C-5907

**NASA FMEA #:** 05-6-2195-1

**SUBSYSTEM:** EPD&C

**MDAC ID:** 5907

**ITEM:** DIODE, BLOCKING 1A (TO 1 A SET)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**

C-1003
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5908
NASA FMEA #: 05-6-2195-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5908
ITEM: DIODE, BLOCKING 1A (TO 1 A SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5909
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 5909
ITEM: DIODE, BLOCKING 1A (TO 1 B SET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ NA ] [ P ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ /N ] [ N ] [ N ] [ N ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5910
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5910
ITEM: DIODE, BLOCKING 1A (TO 1 B SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1006
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5911
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5911
ITEM: DIODE, BLOCKING 1A (TO 1 C SET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
CIL
ITEM

A  B  C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] *[ ]
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1007
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87  NASA DATA:
ASSESSMENT ID: EPD&C-5912  BASELINE [ ]
NASA FMEA #: 05-6-2195-2  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5912
ITEM: DIODE, BLOCKING 1A (TO 1 C SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5913
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5913
ITEM: DIODE, BLOCKING 1A (TO 1A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.
# APPENDIX C
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5914  
**NASA FMEA #:** 05-6-2195-1  

**NASA DATA:**  
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- NEW [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5914  
**ITEM:** DIODE, BLOCKING 1A (TO 1 A RESET)

**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5915
NASA FMEA #: 05-6-2195-1

SUBSYSTEM: EPD&C
MDAC ID: 5915
ITEM: DIODE, BLOCKING 1A (TO 1B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1011
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5916
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 5916
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

REPORT DATE 02/23/88 C-1012
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5917
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 5917
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5918
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5918
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88  C-1014
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5919
NASA FMEA #: 05-6-2204-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5919
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5920
NASA FMEA #: 05-6-2204-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5920
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1016
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5921
NASA FMEA #: 05-6-2204-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5921
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5922
NASA FMEA #: 05-6-2204-1
NASA DATA:
BASELINE [   ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5922
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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|             | A          | B     | C    | ITEM |
| HDW/FUNC    |            |       |      |      |
| NASA        | [ 3 /1R ] | [ P ] | [ NA] | [ P ] | [ ] * |
| IOA         | [ 3 /3 ]  | [ ]   | [ ]  | [ ]  | [ ]  |
| COMPARE     | [ /N ]    | [ N ] | [ N ] | [ N ] | [ ]  |

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5923
NASA FMEA #: 05-6-2204-1

SUBSYSTEM: EPD&C
MDAC ID: 5923
ITEM: DIODE, BLOCKING 1A (TO 1 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(REPORT DATE 02/23/88 C-1019)

* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5924
NASA FMEA #: 05-6-2204-2

SUBSYSTEM: EPD&C
MDAC ID: 5924
ITEM: DIODE, BLOCKING 1A (TO 1 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5925
NASA FMEA #: 05-6-2347-1
SUBSYSTEM: EPD&C
MDAC ID: 5925
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1021
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5926
NASA FMEA #: 05-6-2347-1

SUBSYSTEM: EPD&C
MDAC ID: 5926
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1022
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5927
NASA FMEA #: 05-6-2349-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM:
EPD&C
MDAC ID: 5927
ITEM:
RESISTOR, 2.2K 1/4W

LEAD ANALYST:
K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88   C-1023
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5928
NASA FMEA #: 05-6-2349-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5928
ITEM: RESISTOR, 2.2K 1/4W

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-1024
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5929
NASA FMEA #: 05-6-2332-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5929
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88  C-1025
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5930
NASA FMEA #: 05-6-2332-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5930
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-1026
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5931
NASA FMEA #: 05-6-2223-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:
CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ P ] [ P ] [ ] *
IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FAILURE MODE CHANGED TO FAILS OPEN OR SHORTS TO GROUND - IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 7/01/87
ASSESSMENT ID: EPD&C-5931A
NASA FMEA #: 05-6-2223-3

SUBSYSTEM: EPD&C
MDAC ID: 5931
ITEM: SWITCH, TOGGLE SPDT (AC 1 BUS SNSR)

LEAD ANALYST: K. SCHMECKPEPER

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| IOA          | [ 3 /1R ]          | [ P ]    | [ P ] | [ P ] | [ ] |

COMPARE [ / ]  [ ]  [ ]  [ ]  [ ]  [ ]

RECOMMENDATIONS:  (If different from NASA)
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* CIL RETENTION RATIONALE:  (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5932
NASA FMEA #: 05-6-2223-2

SUBSYSTEM: EPD&C
MDAC ID: 5932
ITEM: SWITCH, TOGGLE SPDT (AC 1 BUS SNSR)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FAILURE MODE CHANGED TO FAILS CLOSED IN MONITER POSITION - IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5933
NASA FMEA #: 05-6-2265-2

SUBSYSTEM: EPD&C
MDAC ID: 5933
ITEM: CIRCUIT BREAKER, 3A TO AC1 BUS SENSOR

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1030
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5934
NASA FMEA #: 05-6-2265-1
SUBSYSTEM: EPD&C
MDAC ID: 5934
ITEM: CIRCUIT BREAKER, 3A TO AC1 BUS SENSOR
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ P ] [ P ] [ ] *

IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-1031
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5935
NASA FMEA #: 05-6-2016-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5935
ITEM: RELAY, LATCHING TO AC BUS 1A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1032
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5936
NASA FMEA #: 05-6-2016-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5936
ITEM: RELAY, LATCHING TO AC BUS 1A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5937
NASA FMEA #: 05-6-2016-2

SUBSYSTEM: EPD&C
MDAC ID: 5937
ITEM: RELAY, LATCHING TO AC BUS 1B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5938
NASA FMEA #: 05-6-2016-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5938
ITEM: RELAY, LATCHING TO AC BUS 1B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 
C-1035
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87  NASA DATA:
ASSESSMENT ID: EPD&C-5939  BASELINE [ ]
NASA FMEA #: 05-6-2016-1  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5939
ITEM: RELAY, LATCHING TO AC BUS 1C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5940
NASA FMEA #: 05-6-2016-2
NASA DATA:
BASELINE [ ]
NEW [X ]

SUBSYSTEM: EPD&C
MDAC ID: 5940
ITEM: RELAY, LATCHING TO AC BUS 1C

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X ]
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5941
NASA FMEA #: 05-6-2264-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5941
ITEM: FUSE, 3A TO AC BUS 1 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1038
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5942
NASA FMEA #: 05-6-2264-1
SUBSYSTEM: EPD&C
MDAC ID: 5942
ITEM: FUSE, 3A TO AC BUS 1 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1039
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-5943
BASELINE [ ]
NASA FMEA #: 05-6-2264-1
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5943
ITEM: FUSE, 3A TO AC BUS 1 C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1040
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5944
NASA FMEA #: 05-6-2259-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5944
ITEM: FUSE, 3A TO AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1041
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5945
NASA FMEA #: 05-6-2259-1
ASSESSMENT ID: EPD&C-5945
NASA FMEA #: 05-6-2259-1
SUBSYSTEM: MDAC
MDAC ID: 5945
ITEM: FUSE, 3A TO AC VOLTMETER
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1042
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5946
NASA FMEA #: 05-6-2259-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5946
ITEM: FUSE, 3A TO AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT | | |
| HDW/FUNC | A | B | C | ITEM |
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| COMPARE | [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1043
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5947
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5947
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1044
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5948
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5948
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-1045
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5949
NASA FMEA #: 05-6-2347-1
SUBSYSTEM: EPD&C
MDAC ID: 5949
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REPORT DATE 02/23/88  C-1046

(REMOVE/ADD)
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5950
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5950
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 1 A VOLTAGE)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5951
NASA FMEA #: 05-6-2352-1
NASA DATA: BASELINE [ ] NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5951
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 1 B VOLTAGE)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ] INADEQUATE [ ]

REMARKS: 
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APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5953
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5953
ITEM: RESISTOR, 150K 1/2W (AC BUS 1 A VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88

C-1050
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5954
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5954
ITEM: RESISTOR, 150K 1/2W (AC BUS 1 B VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1051
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5955
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5955
ITEM: RESISTOR, 150K 1/2W (AC BUS 1 C VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-5956
NASA FMEA #: 05-6-2353-1
SUBSYSTEM: EPD&C
MDAC ID: 5956
ITEM: RESISTOR, 100K (AC BUS 1 A CURRENT)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY

FLIGHT HDW/FUNC

REDUNDANCY SCREENS A B C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] *

IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1053
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5957
NASA FMEA #: 05-6-2353-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5957
ITEM: RESISTOR, 100K (AC BUS 1 B CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-1054
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-5958  BASELINE [ ]
NASA FMEA #: 05-6-2353-1  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5958
ITEM: RESISTOR, 100K (AC BUS 1 C CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5959
NASA FMEA #: 05-6-2305-1

SUBSYSTEM: EPD&C
MDAC ID: 5959
ITEM: AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS:
(If different from NASA)

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(REMARKS:

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REPORT DATE 02/23/88 C-1056
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5960
NASA FMEA #: 05-6-2232-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5960
ITEM: SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1057
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5961
NASA FMEA #: 05-6-2232-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5961
ITEM: SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1058
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5962
NASA FMEA #: 05-6-2232-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5962
ITEM: SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
    FLIGHT ITEM
    HDW/FUNC A   B   C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5963  
**NASA FMEA #:** 05-6-2232-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5963  
**ITEM:** SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)  
**LEAD ANALYST:** K. SCHMECKP EPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

**REMARKS:**

**REPORT DATE 02/23/88**  
**C-1060**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5964
NASA FMEA #: 05-6-2298-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5964
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5965
NASA FMEA #: 05-6-2298-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5965
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] *
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COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5966
NASA FMEA #: 05-6-2618-1

SUBSYSTEM: EPD&C
MDAC ID: 5966
ITEM: CIRCUIT BREAKER TO FMCA-1
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC

REDUNDANCY SCREENS
A B C

NASA [2/1R] [P] [P] [P] [X] *
IOA [2/1R] [P] [P] [P] [X]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [

REMARKS:

REPORT DATE 02/23/88 C-1063
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5967
NASA FMEA #: 05-6-2618-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5967
ITEM: CIRCUIT BREAKER TO FMCA-1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-1064
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5968
NASA FMEA #: 05-6-2613-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5968
ITEM: CIRCUIT BREAKER TO MMCA-1
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1065
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5969
NASA FMEA #: 05-6-2613-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5969
ITEM: CIRCUIT BREAKER TO MMCA-1

LEAD ANALYST: K. SCHMECKPEPER

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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1066
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5970
NASA FMEA #: 05-6-2614-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5970
ITEM: CIRCUIT BREAKER TO MMCA-3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5971
NASA FMEA #: 05-6-2614-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5971
ITEM: CIRCUIT BREAKER TO MMCA-3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1068
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5972
NASA FMEA #: 05-6-2612-1
SUBSYSTEM: EPD&C
MDAC ID: 5972
ITEM: CIRCUIT BREAKER TO AMCA-1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1069
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5973  
**NASA FMEA #:** 05-6-2612-2

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5973  
**ITEM:** CIRCUIT BREAKER TO AMCA-I  

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS

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**RECOMMENDATIONS:** (If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)

**ADEQUATE** [ ]

**INADEQUATE** [ ]

**REMARKS:**

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**REPORT DATE** 02/23/88  
**C-1070**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5974
NASA FMEA #: 05-6-2611-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5974
ITEM: CIRCUIT BREAKER AC 1A TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ N ] [ ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5975
NASA FMEA #: 05-6-2611-2

SUBSYSTEM: EPD&C
MDAC ID: 5975
ITEM: CIRCUIT BREAKER AC 1A TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

(ADD/DELETE)

REMARKS:

ADEQUATE [ ]
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REPORT DATE 02/23/88 C-1072
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5976
NASA FMEA #: 05-6-2611-1
NASA ID: EPD&C 5976
ITEM: CIRCUIT BREAKER AC 1B TO RCS/OMS-1
SUBSYSTEM: MDAC ID: 5976
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5977
NASA FMEA #: 05-6-2611-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5977
ITEM: CIRCUIT BREAKER AC 1B TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5978
NASA FMEA #: 05-6-2611-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: MDAC
MDAC ID: EPD&C-5978
ITEM: CIRCUIT BREAKER AC 1C TO RCS/OMS-1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5979
NASA FMEA #: 05-6-2611-2

NASA DATA:
BASELINE [   ]
NEW [  X  ]

SUBSYSTEM:  EPD&C
MDAC ID: 5979
ITEM: CIRCUIT BREAKER AC 1C TO RCS/OMS-1

LEAD ANALYST:  K. SCHMECKPEPER

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* CIL RETENTION RATIONALE:  (If applicable)
ADEQUATE [   ]
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REMARKS:

REPORT DATE 02/23/88 C-1076
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5980
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5980
ITEM: RELAY TO PLBD AC1
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1077
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5981
NASA FMEA #: 05-6EB-2004-2

SUBSYSTEM: EPD&C
MDAC ID: 5981
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5982
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
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NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5982
ITEM: RELAY TO PLBD AC1
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-1079
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5983
NASA FMEA #: 05-6EB-2004-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5983
ITEM: RELAY TO PLBD AC1
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5984
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5984
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1081
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/07/87  
**ASSESSMENT ID:** EPD&C-5985  
**NASA FMEA #:** 05-6EB-2004-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5985  
**ITEM:** RELAY TO PLBD AC1  
**LEAD ANALYST:** K. SCHMECKPEPER

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### RECOMMENDATIONS:
(If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ✗ ]  
INADEQUATE [ ]

### REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5986
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5986
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1083
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5987
NASA FMEA #: 05-6EB-2004-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5987
ITEM: RELAY TO PLBD AC1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5988
NASA FMEA #: 05-6-2751-1

SUBSYSTEM: MDAC
MDAC ID: 5988
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C ITEM

NASA [ 2 /1R ] [ P ] [ P ] [ P ] [ X ] *
IOA [ 2 /1R ] [ P ] [ F ] [ P ] [ X ]

COMPARE [ / ] [ ] [ N ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5988A
NASA FMEA #: 05-6-2751-2

SUBSYSTEM: EPD&C
MDAC ID: 5988
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1086
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5989
NASA FMEA #: 05-6-2751-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5989
ITEM: RELAY, 4P TO PLEM-AC1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.

REPORT DATE 02/23/88 C-1087
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5990
NASA FMEA #: 05-6-2751-1

SUBSYSTEM: EPD&C
MDAC ID: 5990
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5990A
NASA FMEA #: 05-6-2751-2
SUBSYSTEM: EPD&C
MDAC ID: 5990
ITEM: RELAY, 4P TO PLBM-AC1
LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5991
NASA FMEA #: 05-6-2751-3

SUBSYSTEM: EPD&C
MDAC ID: 5991
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5992
NASA FMEA #: 05-6-2754-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5992
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ N ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5992A
NASA FMEA #: 05-6-2754-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5992
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1092
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5993
NASA FMEA #: 05-6-2754-3
SUBSYSTEM: EPD&C
MDAC ID: 5993
ITEM: RELAY, 4P TO PLBM-AC1
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
The "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5994
NASA FMEA #: 05-6-2754-1
NASA FMEA #: 05-6-2754-1
NASA FMEA #: 05-6-2754-1
SUBSYSTEM: EPD&C
MDAC ID: 5994
ITEM: RELAY, 4P TO PLBM-AC1
LEAD ANALYST: K. SCHMECKPEPER
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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1094
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/09/87  
**ASSESSMENT ID:** EPD&C-5994A  
**NASA FMEA #:** 05-6-2754-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5994  
**ITEM:** RELAY, 4P TO PLBM-AC1  
**LEAD ANALYST:** K. SCHMECKPEPER

### ASSESSMENT:

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### RECOMMENDATIONS:
(If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

**ADEQUATE** [ X ]

**INADEQUATE** [ ]

### REMARKS:

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**REPORT DATE 02/23/88  C-1095**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5995
NASA FMEA #: 05-6-2754-3

SUBSYSTEM: EPD&C
MDAC ID: 5995
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5996
NASA FMEA #: 05-6-2245-1
SUBSYSTEM: EPD&C
MDAC ID: 5996
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 A)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5997
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5997
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 A)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 1/01/88  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5998  
**NASA FMEA #:** 05-6-2245-1  
**BASELINE [ ]**  
**NEW [ X ]**  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5998  
**ITEM:** CIRCUIT BREAKER, 3A (AC CONT 2 B)  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**COMPARE [ / ] [ ] [ N ] [ ] [ ] [ ]**

**RECOMMENDATIONS:** (If different from NASA)  
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* CIL RETENTION RATIONALE: (If applicable)  
ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**  
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5999
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5999
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 B)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1100
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6000
NASA FMEA #: 05-6-2245-1

SUBSYSTEM: EPD&C
MDAC ID: 6000
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 C)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88  C-1101
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6001
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6001
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6002
NASA FMEA #: 05-6-2215-1
SUBSYSTEM: EPD&C
MDAC ID: 6002
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #2)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS OPEN. IOA CONCURS WITH NASA'S REEVALUATION.

REPORT DATE 02/23/88 C-1103
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6002A
NASA FMEA #: 05-6-2215-3

SUBSYSTEM: EPD&C
MDAC ID: 6002
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #2)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1104
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6003
NASA FMEA #: 05-6-2215-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6003
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #2)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6004
NASA FMEA #: 05-6-2488-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6004
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88  C-1106
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6005
NASA FMEA #: 05-6-2488-1

SUBSYSTEM: EPD&C
MDAC ID: 6005
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-1107
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6006
NASA FMEA #: 05-6-2489-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6006
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(I)J1-2".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6007
NASA FMEA #: 05-6-2489-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6007
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(I)J1-2".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6008
NASA FMEA #: 05-6-2485-2

SUBSYSTEM: EPD&C
MDAC ID: 6008
ITEM: HYBRID DRIVER TYPE II (INV 2 A ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(1)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6009
NASA FMEA #: 05-6-2485-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 6009
ITEM: HYBRID DRIVER TYPE II (INV 2 A ON)
LEAD ANALYST: K. SCHMECKPEPER

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| COMPARE [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(1)".

REPORT DATE 02/23/88 C-1111
APPENDIX C
ASSESSMENT WORKSHEET

ASSessment DATE: 6/13/87
ASSessment ID: EPD&C-6010
NASA FMEA #: 05-6-2485-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6010
ITEM: HYBRID DRIVER TYPE II (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE | /N | N | N | N | N |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(2)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6011
NASA FMEA #: 05-6-2485-1

SUBSYSTEM: EPD&C
MDAC ID: 6011
ITEM: HYBRID DRIVER TYPE II (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(2)".

REPORT DATE 02/23/88 C-1113
### APPENDIX C

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-6012  
**NASA FMEA #:** 05-6-2485-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6012  
**ITEM:** HYBRID DRIVER TYPE II (INV 2C ON)  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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*(ADD/DELETE)*

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]  
INADEQUATE [ ]

**REMARKS:**

REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(3)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:  
ASSESSMENT ID: EPD&C-6013  NASA FMEA #: 05-6-2485-1
NASA DATA: BASELINE [ ]  NEW [ X ]

SUBSYSTEM: EPD&C  MDAC ID: 6013
ITEM: HYBRID DRIVER TYPE II (INV 2 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARISON: [ / ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(3)".

REPORT DATE 02/23/88 C-1115
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6014
NASA FMEA #: 05-6-2486-2

SUBSYSTEM: EPD&C
MDAC ID: 6014
ITEM: HYBRID DRIVER TYPE III (INV 2 A ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)

RECOMMENDATIONS: (If different from NASA)

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS. REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(1)".

REPORT DATE 02/23/88 C-1116
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6015
NASA FMEA #: 05-6-2486-1
SUBSYSTEM: EPD&C
MDAC ID: 6015
ITEM: HYBRID DRIVER TYPE III (INV 2 A ON)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6015
ITEM: HYBRID DRIVER TYPE III (INV 2 A ON)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(1)".

REPORT DATE 02/23/88 C-1117
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6016
NASA FMEA #: 05-6-2486-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6016
ITEM: HYBRID DRIVER TYPE III (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(2)".

REPORT DATE 02/23/88  C-1118
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-6017  BASELINE [ ]
NASA FMEA #: 05-6-2486-1  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6017
ITEM: HYBRID DRIVER TYPE III (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(2)".

REPORT DATE 02/23/88  C-1119
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6018
NASA FMEA #: 05-6-2486-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6018
ITEM: HYBRID DRIVER TYPE III (INV 2 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(3)".

REPORT DATE 02/23/88 C-1120
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6019
NASA FMEA #: 05-6-2486-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6019
ITEM: HYBRID DRIVER TYPE III (INV 2 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(3)".

REPORT DATE 02/23/88 C-1121
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6020
NASA FMEA #: 05-6-2487-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6020
ITEM: HYBRID DRIVER TYPE III (INV 2 A OFF)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS:  (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1122
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6021
NASA FMEA #: 05-6-2487-1
NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 6021
ITEM: HYBRID DRIVER TYPE III (INV 2 A OFF)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1123
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6022
NASA FMEA #: 05-6-2487-2

SUBSYSTEM: EPD&C
MDAC ID: 6022
ITEM: HYBRID DRIVER TYPE III (INV 2 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1124
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6023
NASA FMEA #: 05-6-2487-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6023
ITEM: HYBRID DRIVER TYPE III (INV 2 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

| ADEQUATE | [ ] |
| INADEQUATE | [ ] |

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6024  
**NASA FMEA #:** 05-6-2487-2  
**NASA DATA:**  
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- NEW [ X ]  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6024  
**ITEM:** HYBRID DRIVER TYPE III (INV 2 C OFF)  

**LEAD ANALYST:** K. SCHMECKPEPER  

**ASSESSMENT:**  

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**RECOMMENDATIONS:** (If different from NASA)  
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(ADD/DELETE)  

* **CIL RETENTION RATIONALE:** (If applicable)  
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**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6025
NASA FMEA #: 05-6-2487-1

SUBSYSTEM: EPD&C
MDAC ID: 6025
ITEM: HYBRID DRIVER TYPE III (INV 2 C OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6026
NASA FMEA #: NEW # UNKNOWN
NASA DATA: BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6026
ITEM: FUSE, 3A TO AC BUS 2 CMD

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1128
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6027
NASA FMEA #: NEW # UNKNOWN

SUBSYSTEM: EPD&C
MDAC ID: 6027
ITEM: FUSE, 3A TO AC BUS 2 CMD
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1129
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6028
NASA FMEA #: 05-6-2297-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6028
ITEM: FUSE, 3A TO AC BUS 2C OFF
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6029
NASA FMEA #: 05-6-2297-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6029
ITEM: FUSE, 3A TO AC BUS 2B OFF

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.

REPORT DATE 02/23/88 C-1131
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6030
NASA FMEA #: 05-6-2297-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: MDAC
MDAC ID: 6030
ITEM: FUSE, 3A TO AC BUS 2A OFF

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.

REPORT DATE 02/23/88 C-1132
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6031
NASA FMEA #: 05-6-2297-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6031
ITEM: FUSE, 3A TO AC BUS 2C ON

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6032
NASA FMEA #: 05-6-2287-1

SUBSYSTEM: EPD&C
MDAC ID: 6032
ITEM: FUSE, 80A TO INV 2 A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6033
NASA FMEA #: 05-6-2287-1
SUBSYSTEM: EPD&C
MDAC ID: 6033
ITEM: FUSE, 80A TO INV 2 B
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1135
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6034
NASA FMEA #: 05-6-2287-1

SUBSYSTEM: EPD&C
MDAC ID: 6034
ITEM: FUSE, 80A TO INV 2 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1136
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6035
NASA FMEA #: 05-6-2346-1
SUBSYSTEM: EPD&C
MDAC ID: 6035
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1137
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6036
NASA FMEA #: 05-6-2346-1

NASA DATA: [ ] BASELINE [ X ] NEW

SUBSYSTEM: EPD&C
MDAC ID: 6036
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1138
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6037
NASA FMEA #: 05-6-2346-1
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6037
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-1139
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6038
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6038
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ] INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6039
NASA FMEA #: 05-6-2199-1
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6039
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-1141
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6040
NASA FMEA #: 05-6-2199-1

SUBSYSTEM: EPD&C
MDAC ID: 6040
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-1142
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6041
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6041
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6042
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6042
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1144
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6043
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6043
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1145
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6044
NASA FMEA #: 05-6-2200-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6044
ITEM: DIODE TO INV 2 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1146
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6045
NASA FMEA #: 05-6-2200-1
SUBSYSTEM: EPD&C
MDAC ID: 6045
ITEM: DIODE TO INV 2 A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1147
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6046
NASA FMEA #: 05-6-2200-1
SUBSYSTEM: EPD&C
MDAC ID: 6046
ITEM: DIODE TO INV 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-1148
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6047
NASA FMEA #: 05-6-2200-1
SUBSYSTEM: EPD&C
MDAC ID: 6047
ITEM: DIODE TO INV 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1149
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6048
NASA FMEA #: 05-6-2200-1
SUBSYSTEM: EPD&C
MDAC ID: 6048
ITEM: DIODE TO INV 2 C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/19/87

**ASSESSMENT ID:** EPD&C-6049

**NASA FMEA #:** 05-6-2200-1

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6049

**ITEM:** DIODE TO INV 2 C

**LEAD ANALYST:** K. SCHMECKPEPER

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* **CIL RETENTION RATIONAL:** (If applicable)

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INADEQUATE [ ]

**REMARKS:**

**REPORT DATE 02/23/88 C-1151**
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID:  EPD&C-6050  
NASA FMEA #:  05-6-2390-2  
SUBSYSTEM:  EPD&C  
MDAC ID:  6050  
ITEM:  RPC, 7.5A TO INV 2 A  
LEAD ANALYST:  K. SCHMECKPEPER

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RECOMMENDATIONS:  (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE:  (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1152
### APPENDIX C
#### ASSESSMENT WORKSHEET

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* **CIL RETENTION RATIONALE:** (If applicable)  
ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**

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*If applicable*
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6052
NASA FMEA #: 05-6-2390-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6052
ITEM: RPC, 7.5A TO INV 2 B

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALLY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A  B  C

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] *

IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1154
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6053
NASA FMEA #: 05-6-2390-1
SUBSYSTEM: EPD&C
MDAC ID: 6053
ITEM: RPC, 7.5A TO INV 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6054
NASA FMEA #: 05-6-2390-2

SUBSYSTEM: EPD&C
MDAC ID: 6054
ITEM: RPC, 7.5A TO INV 2 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1156
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6055
NASA FMEA #: 05-6-2390-1

NASA DATA:
BASELINE [  ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6055
ITEM: RPC, 7.5A TO INV 2 C

LEAD ANALYST: K. SCHMECKPEPER

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| COMPARE |
| [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6056
NASA FMEA #: 05-6-2139-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6056
ITEM: RELAY, LATCHING TO INVERTER 2A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88     C-1158
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6057
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 6057
ITEM: RELAY, LATCHING TO INVERTER 2A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

Adequate [ X ]
Inadequate [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-1159
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-6058  
**NASA FMEA #:** 05-6-2139-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6058  
**ITEM:** RELAY, LATCHING TO INVERTER 2B  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

**REMARKS:**

**REPORT DATE 02/23/88**  
**C-1160**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6059
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 6059
ITEM: RELAY, LATCHING TO INVERTER 2B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
  ADEQUATE [ X ]
  INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6060
NASA FMEA #: 05-6-2139-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6060
ITEM: RELAY, LATCHING TO INVERTER 2C

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1162
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6061
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 6061
ITEM: RELAY, LATCHING TO INVERTER 2C
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-1163
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**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-6062  
**NASA FMEA #:** 05-6-2015-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6062  
**ITEM:** INVERTER 2 A  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

[ ] ADEQUATE  
[ ] INADEQUATE

**REMARKS:**

**REPORT DATE 02/23/88**  
**C-1164**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6063
NASA FMEA #: 05-6-2015-2
SUBSYSTEM: EPD&C
MDAC ID: 6063
ITEM: INVERTER 2 A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1165
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-6064
NASA FMEA #: 05-6-2015-3
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6064
ITEM: INVERTER 2 A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1166
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6065
NASA FMEA #: 05-6-2015-4
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6065
ITEM: INVERTER 2 A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-1167
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-6065A
NASA FMEA #: 05-6-2015-5
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6065
ITEM: INVERTER 2 A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1168
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6066
NASA FMEA #: 05-6-2015-1

SUBSYSTEM: EPD&C
MDAC ID: 6066
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C ITEM

NASA [ 3 /1R ] [ P ] [ P ] [ P ] [ ] *
IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1169
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6067
NASA FMEA #: 05-6-2015-2

SUBSYSTEM: EPD&C
MDAC ID: 6067
ITEM: INVERTER 2 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1170
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-6068
NASA FMEA #: 05-6-2015-3
SUBSYSTEM: EPD&C
MDAC ID: 6068
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6069
NASA FMEA #: 05-6-2015-4
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6069
ITEM: INVERTER 2 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.

REPORT DATE 02/23/88 C-1172
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-6069A
NASA FMEA #: 05-6-2015-5
SUBSYSTEM: EPD&C
MDAC ID: 6069
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1173
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6070
NASA FMEA #: 05-6-2015-1
SUBSYSTEM: EPD&C
MDAC ID: 6070
ITEM: INVERTER 2 C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1174
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6071
NASA FMEA #: 05-6-2015-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6071
ITEM: INVERTER 2 C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1175
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-6072
NASA FMEA #: 05-6-2015-3

SUBSYSTEM: EPD&C
MDAC ID: 6072
ITEM: INVERTER 2 C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSessment DATE: 12/05/87
ASSessment ID: EPD&C-6073A
NASA FMEA #: 05-6-2015-5
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6073
ITEM: INVERTER 2 C

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1178
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6074
NASA FMEA #: 05-6-2475-1

SUBSYSTEM: EPD&C
MDAC ID: 6074
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1179
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6075
NASA FMEA #: 05-6-2475-2

NASA DATA:
BASELINE [ X ]
NEW [ ]

SUBSYSTEM: EPD&C
MDAC ID: 6075
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION BECAUSE IOA THOUGHT THE INVERTER INPUT POWER WAS SUPPLIED THROUGH A LATCHING RELAY AND THE RELAY DOES NOT LATCH.

REPORT DATE 02/23/88 C-1180
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6076
NASA FMEA #: 05-6-2474-1

SUBSYSTEM: EPD&C
MDAC ID: 6076
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(III)J1-109".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6077
NASA FMEA #: 05-6-2474-2

SUBSYSTEM: EPD&C
MDAC ID: 6077
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(III)J1-109".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6078
NASA FMEA #: 05-6-2297-1
SUBSYSTEM: EPD&C
MDAC ID: 6078
ITEM: FUSE, 3A TO AC BUS 2B ON
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT     | HDW/FUNC | A | B | C | ITEM |
| NASA       | [ 3 /1R ] | [ P ] | [ NA ] | [ P ] | [ ] * |
| IOA        | [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE    | [ /N ] | [ N ] | [ N ] | [ N ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.

REPORT DATE 02/23/88 C-1183
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6079
NASA FMEA #: 05-6-2297-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6079
ITEM: Fuse, 3A to AC Bus 2A ON

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6080
NASA FMEA #: 05-6-2216-1

SUBSYSTEM: EPD&C
MDAC ID: 6080
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "ON" POSITION, "ON" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6081
NASA FMEA #: 05-6-2216-2

SUBSYSTEM: EPD&C
MDAC ID: 6081
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION, "OFF" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**NASA DATA:** Baseline [ ]  
**ASSESSMENT ID:** EPD&C-6082  
**NASA FMEA #:** 05-6-2265-2  
**NEW:** [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6082  
**ITEM:** CIRCUIT BREAKER, 3A TO AC2 BUS SENSOR

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]  
INADEQUATE [ ]

**REMARKS:**

IOA CONCURS WITH NASA'S SCREEN "B".

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**REPORT DATE** 02/23/88  
**C-1187**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6083
NASA FMEA #: 05-6-2265-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6083
ITEM: CIRCUIT BREAKER, 3A TO AC2 BUS SENSOR

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1188
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6084
NASA FMEA #: 05-6-2223-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6084
ITEM: SWITCH, TOGGLE SPDT (AC 2 BUS SNSR)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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ADD/DELETE

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FAILURE MODE CHANGED TO FAILS OPEN OR SHORTS TO GROUND - IOA CONCURS WITH NASA REEVALUATION.
**APPENDIX C**

**ASSESSMENT WORKSHEET**

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**RECOMMENDATIONS:** *(If different from NASA)*

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* CIL RETENTION RATIONALE: *(If applicable)*

ADEQUATE [ ]
INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6085
NASA FMEA #: 05-6-2223-2
SUBSYSTEM: EPD&C
MDAC ID: 6085
ITEM: SWITCH, TOGGLE SPDT (AC 2 BUS SNSR)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FAILURE MODE CHANGED TO FAILS CLOSED IN MONITER POSITION - IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6086
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6086
ITEM: DIODE, BLOCKING 1A (TO 2 A SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1192
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6087
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6087
ITEM: DIODE, BLOCKING 1A (TO 2 A SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.

REPORT DATE 02/23/88 C-1193
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6088
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 6088
ITEM: DIODE, BLOCKING 1A (TO 2 B SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6089
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6089
ITEM: DIODE, BLOCKING 1A (TO 2 B SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1195
APPENDIX C
ASSessment Worksheet

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6090
NASA FMEA #: 05-6-2195-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6090
ITEM: DIODE, BLOCKING 1A (TO 2 C SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1196
# APPENDIX C

## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87

**ASSESSMENT ID:** EPD&C-6091

**NASA FMEA #:** 05-6-2195-2

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6091

**ITEM:** DIODE, BLOCKING 1A (TO 2 C SET)

**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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**CIL RETENTION RATIONALE:** (If applicable)

- ADEQUATE [ ]
- INADEQUATE [ ]

**REMARKS:**

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6092
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6092
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ N ] [ N ] [ ] [ N ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6093
NASA FMEA #: 05-6-2195-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6093
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6094
NASA FMEA #: 05-6-2195-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6094
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1200
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6095
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 6095
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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REDUNDANCY SCREENS
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COMPARE [ / ] [ N ] [ N ] [ ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

REPORT DATE 02/23/88 C-1201
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6096
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 6096
ITEM: DIODE, BLOCKING 1A (TO 2 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ N ] [ N ] [ ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

REPORT DATE 02/23/88 C-1202
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6097
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6097
ITEM: DIODE, BLOCKING 1A (TO 2 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1203
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6098
NASA FMEA #: 05-6-2204-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6098
ITEM: DIODE, BLOCKING 1A (TO 2 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ /N ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.

REPORT DATE 02/23/88 C-1204
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:  6/04/87
ASSESSMENT ID:  EPD&C-6099
NASA FMEA #:  05-6-2204-2
SUBSYSTEM:  EPD&C
MDAC ID:  6099
ITEM:  DIODE, BLOCKING 1A (TO 2 C RESET)
LEAD ANALYST:  K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALITY
FLIGHT HDW/FUNC
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IOA [ 3 /3 ]
COMPARE [ / ]

RECOMMENDATIONS:  (If different from NASA)
[ / ]

* CIL RETENTION RATIONALE:  (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REPORT DATE 02/23/88  C-1205
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6100
NASA FMEA #: 05-6-2204-2
NASA DATA:
    BASELINE [ ]
    NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6100
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)
LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1206
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6101
NASA FMEA #: 05-6-2204-1

SUBSYSTEM: EPD&C
MDAC ID: 6101
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.

REPORT DATE 02/23/88 C-1207
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87  NASA DATA:
ASSESSMENT ID: EPD&C-6102  BASELINE [  ]
NASA FMEA #: 05-6-2204-1  NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 6102
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87  
ASSESSMENT ID: EPD&C-6103  
NASA FMEA #: 05-6-2204-2

SUBSYSTEM: EPD&C  
MDAC ID: 6103  
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

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REMARKS:

REPORT DATE 02/23/88  C-1209
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6104
NASA FMEA #: 05-6-2264-1

SUBSYSTEM: EPD&C
MDAC ID: 6104
ITEM: FUSE, 3A TO AC BUS 2 A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88  C-1210
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6105
NASA FMEA #: 05-6-2264-1

SUBSYSTEM: EPD&C
MDAC ID: 6105
ITEM: FUSE, 3A TO AC BUS 2 B
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1211
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6106
NASA FMEA #: 05-6-2264-1

SUBSYSTEM: EPD&C
MDAC ID: 6106
ITEM: FUSE, 3A TO AC BUS 2 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88  C-1212
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6107
NASA FMEA #: 05-6-2259-1
SUBSYSTEM: MDAC
MDAC ID: 6107
ITEM: FUSE, 3A TO AC VOLTMETER
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-1213
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6108
NASA FMEA #: 05-6-2259-1

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SUBSYSTEM: EPD&C
MDAC ID: 6108
ITEM: FUSE, 3A TO AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1214
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6109
NASA FMEA #: 05-6-2259-1
DATE: 6/06/87
ASSESSMENT ID: EPD&C-6109
NASA FMEA #: 05-6-2259-1
SUBSYSTEM: EPD&C
MDAC ID: 6109
ITEM: FUSE, 3A TO AC VOLTMETER
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1215
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6110
NASA FMEA #: 05-6-2016-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6110
ITEM: RELAY, LATCHING TO AC BUS 2A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6111
NASA FMEA #: 05-6-2016-2

SUBSYSTEM: EPD&C
MDAC ID: 6111
ITEM: RELAY, LATCHING TO AC BUS 2A
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S RREEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6112
NASA FMEA #: 05-6-2016-1

SUBSYSTEM: EPD&C
MDAC ID: 6112
ITEM: RELAY, LATCHING TO AC BUS 2B
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1218
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6113
NASA DATA:
  NASA FMEA #: 05-6-2016-2
  BASELINE [ ]
  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6113
ITEM: RELAY, LATCHING TO AC BUS 2B
LEAD ANALYST: K. SCHMECKPEPER

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IOA [ 3 /3 ] [ ] [ ] [ ] [ ]

COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
  ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6114
NASA FMEA #: 05-6-2016-1

BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6114
ITEM: RELAY, LATCHING TO AC BUS 2C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADoQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1220
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6115
NASA FMEA #: 05-6-2016-2

SUBSYSTEM: EPD&C
MDAC ID: 6115
ITEM: RELAY, LATCHING TO AC BUS 2C
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF
THE CIRCUIT.

REPORT DATE 02/23/88 C-1221
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6116
NASA FMEA #: 05-6-2347-1
SUBSYSTEM: EPD&C
MDAC ID: 6116
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
AD Equate [ ]
IN Adequate [ ]

REMARKS:

REPORT DATE 02/23/88 C-1222
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6117
NASA FMEA #: 05-6-2347-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6117
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1223
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6118
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6118
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1224
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6119
NASA FMEA #: 05-6-2347-1

SUBSYSTEM: EPD&C
MDAC ID: 6119
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
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REMARKS:

REPORT DATE 02/23/88  C-1225
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6120
NASA FMEA #: 05-6-2347-1
SUBSYSTEM: EPD&C
MDAC ID: 6120
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable) ADEQUATE [ ] INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1226
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6121
NASA FMEA #: 05-6-2349-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6121
ITEM: RESISTOR, 2.2K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6122
NASA FMEA #: 05-6-2332-1

SUBSYSTEM: EPD&C
MDAC ID: 6122
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1228
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6123
NASA FMEA #: 05-6-2332-1
SUBSYSTEM: EPD&C
MDAC ID: 6123
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6124
NASA FMEA #: 05-6-2349-1

SUBSYSTEM: EPD&C
MDAC ID: 6124
ITEM: RESISTOR, 2.2K 1/4W (TO MDM OF2)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-1230
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6125
NASA FMEA #: 05-6-2353-1

SUBSYSTEM: EPD&C
MDAC ID: 6125
ITEM: RESISTOR, 100K (AC BUS 2 A CURRENT)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1231
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6126
NASA FMEA #: 05-6-2353-1

SUBSYSTEM: EPD&C
MDAC ID: 6126
ITEM: RESISTOR, 100K (AC BUS 2 B CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

Adequate [ ]

Inadequate [ ]

REMARKS:

REPORT DATE 02/23/88 C-1232
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6127
NASA FMEA #: 05-6-2353-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6127
ITEM: RESISTOR, 100K (AC BUS 2 C CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1233
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6128
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6128
ITEM: RESISTOR, 150K 1/2W (AC BUS 2 A VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1234
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6129
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6129
ITEM: RESISTOR, 150K 1/2W (AC BUS 2 B VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY

FLIGHT
HDW/FUNC

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1235
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-6130  
NASA FMEA #: 05-6-2352-1  
NASA DATA: BASELINE [ ]  
NEW [ X ]  
SUBSYSTEM: EPD&C  
MDAC ID: 6130  
ITEM: RESISTOR, 150K 1/2W (AC BUS 2 C VOLTAGE)  
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6131
NASA FMEA #: 05-6-2352-1
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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONAL: (If applicable)

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| INADEQUATE | [ ] |

REMARKS:

REPORT DATE 02/23/88 C-1237
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6132
NASA FMEA #: 05-6-2352-1

SUBSYSTEM: EPD&C
MDAC ID: 6132
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 2 B VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

NASA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

(ADD/DELETE)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1238
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6133
NASA FMEA #: 05-6-2352-1

SUBSYSTEM: EPD&C
MDAC ID: 6133
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 2 C VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT HDW/FUNC | A | B | C | ITEM |
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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1239
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6134
NASA FMEA #: 05-6-2361-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6134
ITEM: AC OVER/UNDER VOLT SNSR 2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:
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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-1240
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
NASA DATA: BASELINE [ ]
ASSESSMENT ID: EPD&C-6135 NEW [ X ]
NASA FMEA #: 05-6-2361-2

SUBSYSTEM: EPD&C
MDAC ID: 6135
ITEM: AC OVER/UNDER VOLT SNSR 2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1241
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6136
NASA FMEA #: 05-6-2298-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6136
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6137
NASA FMEA #: 05-6-2298-1

SUBSYSTEM: EPD&C
MDAC ID: 6137
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6138
NASA FMEA #: 05-6-2611-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6138
ITEM: CIRCUIT BREAKER AC 2A TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1244
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6139
NASA FMEA #: 05-6-2611-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6139
ITEM: CIRCUIT BREAKER AC 2A TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6140
NASA FMEA #: 05-6-2611-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6140
ITEM: CIRCUIT BREAKER AC 2B TO RCS/OMS-2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1246
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6141
NASA FMEA #: 05-6-2611-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6141
ITEM: CIRCUIT BREAKER AC 2B TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/07/87  
**NASA DATA:**
- BASELINE [ ]
- NEW [ X ]

**ASSESSMENT ID:** EPD&C-6142  
**NASA FMEA #:** 05-6-2611-2

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6142  
**ITEM:** CIRCUIT BREAKER AC 2C TO RCS/OMS-2

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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* CIL RETENTION RATIONALE: (If applicable)

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**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6143
NASA FMEA #: 05-6-2611-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6143
ITEM: CIRCUIT BREAKER AC 2C TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6144
NASA FMEA #: 05-6-2618-1

SUBSYSTEM: EPD&C
MDAC ID: 6144
ITEM: CIRCUIT BREAKER TO FMCA-2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1250
APPENDIX C
ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  **NASA DATA:**

**ASSESSMENT ID:** EPD&C-6145  **BASELINE [ ]**

**NASA FMEA #:** 05-6-2618-2  **NEW [ X ]**

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6145

**ITEM:** CIRCUIT BREAKER TO FMCA-2

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS

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**RECOMMENDATIONS:** (If different from NASA)

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* **CIL RETENTION RATIONALE:** (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

REPORT DATE 02/23/88  C-1251
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-6146
BASELINE [ ]
NASA FMEA #: 05-6-2616-2
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6146
ITEM: CIRCUIT BREAKER TO MMCA-1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1252
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6147
NASA FMEA #: 05-6-2616-1

SUBSYSTEM: EPD&C
MDAC ID: 6147
ITEM: CIRCUIT BREAKER TO MMCA-1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1253
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6148
NASA FMEA #: 05-6-2613-1

SUBSYSTEM: MDAC ID:
ITEM: CIRCUIT BREAKER TO MMCA-2
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1254
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6149
NASA FMEA #: 05-6-2613-2

ASSESSMENT ID: EPD&C-6149
NASA FMEA #: 05-6-2613-2

SUBSYSTEM: EPD&C
MDAC ID: 6149
ITEM: CIRCUIT BREAKER TO MMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1255
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6150
NASA FMEA #: 05-6-2615-2

SUBSYSTEM: EPD&C
MDAC ID: 6150
ITEM: CIRCUIT BREAKER TO MMCA-3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

[ ]

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1256
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**NASA DATA:** BASELINE [ ]  
**ASSESSMENT ID:** EPD&C-6151  
**NASA FMEA #:** 05-6-2615-1  
**NEW [ X ]**  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6151  
**ITEM:** CIRCUIT BREAKER TO MMCA-3  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

**REMARKS:**

**REPORT DATE 02/23/88**  
**C-1257**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6152
NASA FMEA #: 05-6-2613-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6152
ITEM: CIRCUIT BREAKER TO MMCA-4
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6153
NASA FMEA #: 05-6-2613-2
SUBSYSTEM: EPD&C
MDAC ID: 6153
ITEM: CIRCUIT BREAKER TO MMCA-4
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY REDUNDANCY SCREENS CIL ITEM
FLIGHT HDW/FUNC A B C

NASA [ 3 /1R ] [ P ] [ F ] [ P ] [ X ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ]
COMPARE [ /N ] [ N ] [ N ] [ N ] [ N ]

RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1259
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6154
NASA FMEA #: 05-6-2612-2

SUBSYSTEM: EPD&C
MDAC ID: 6154
ITEM: CIRCUIT BREAKER TO AMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1260
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6155
NASA FMEA #: 05-6-2612-1

SUBSYSTEM: EPD&C
MDAC ID: 6155
ITEM: CIRCUIT BREAKER TO AMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6156A
NASA FMEA #: 05-6-2755-2
SUBSYSTEM: EPD&C
MDAC ID: 6156
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1263
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6157
NASA FMEA #: 05-6-2755-3
ASSESSMENT ID: EPD&C
MDAC ID: 6157
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6158
NASA FMEA #: 05-6-2755-3

SUBSYSTEM: EPD&C
MDAC ID: 6158
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6159
NASA FMEA #: 05-6-2755-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6159
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

Adequate [ X ]
Inadequate [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1266
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6159A
NASA FMEA #: 05-6-2755-2
SUBSYSTEM: EPD&C
MDAC ID: 6159
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1267
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6160
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6160
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1268
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6161
NASA FMEA #: 05-6EB-2004-2
SUBSYSTEM: EPD&C
MDAC ID: 6161
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1269
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6162
NASA FMEA #: 05-6EB-2004-2
SUBSYSTEM: EPD&C
MDAC ID: 6162
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1270
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/07/87  
**NASA DATA:**

**ASSESSMENT ID:** EPD&C-6163  
**BASELINE [ ]**  
**NEW [ X ]**

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6163  
**ITEM:** RELAY TO PLBD AC2

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

- ADEQUATE [ ]
- INADEQUATE [ ]

**REMARKS:**
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

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**FLIGHT HDW/FUNC**  
**REDUNDANCY SCREENS ITEM**  
| NASA | [ 2 /1R ] | [ P ] | [ P ] | [ P ] | [ X ] * |
| IOA | [ 2 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] |
| COMPARE | [ / ] | [ ] | [ N ] | [ ] | [ ] |

**RECOMMENDATIONS:**  
(If different from NASA)  
[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

**CIL RETENTION RATIONALE:**  
(If applicable)  
ADEQUATE [ X ]  
INADEQUATE [ ]

**REMARKS:**  
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1272
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6164A
NASA FMEA #: 05-6-2752-2

SUBSYSTEM: EPD&C
MDAC ID: 6164
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1273
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6165
NASA FMEA #: 05-6-2752-3
NASA FMEA #: 05-6-2752-3

SUBSYSTEM: EPD&C
MDAC ID: 6165
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6166
NASA FMEA #: 05-6-2752-3
SUBSYSTEM: EPD&C
MDAC ID: 6166
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITORE THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6167
NASA FMEA #: 05-6-2752-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6167
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/09/87

**ASSESSMENT ID:** EPD&C-6167A

**NASA FMEA #:** 05-6-2752-2

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6167

**ITEM:** RELAY, 4P TO PLBM-AC2

**LEAD ANALYST:** K. SCHMECKPEPER

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(ADD/DELETE)

* **CIL RETENTION RATIONALE:** (If applicable)

**ADEQUATE** [ X ]

**INADEQUATE** [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6168
NASA FMEA #: 05-6EB-2004-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6168
ITEM: RELAY TO PLBD AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1278
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6169
NASA FMEA #: 05-6EB-2004-2
SUBSYSTEM: EPD&C
MDAC ID: 6169
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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BASELINE [ ]
NEW [ X ]

NASA FMEA #: 05-6EB-2004-2

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1279
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6170
NASA FMEA #: 05-6EB-2004-2
SUBSYSTEM: EPD&C
MDAC ID: 6170
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1280
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6171
NASA FMEA #: 05-6EB-2004-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6171
ITEM: RELAY TO PLBD AC2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1281
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6172
NASA FMEA #: 05-6-2756-1

SUBSYSTEM: EPD&C
MDAC ID: 6172
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6172A
NASA FMEA #: 05-6-2756-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6172
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1283
**APPENDIX C**

**ASSESSMENT WORKSHEET**

| ASSESSMENT DATE: | 12/09/87 | NASA DATA: | BASELINE [ ] | NEW [ X ] |
| ASSESSMENT ID: | EPD&C-6173 | | | |
| NASA FMEA #: | 05-6-2756-3 | | | |
| SUBSYSTEM: | MDAC | EPD&C | | |
| MDAC ID: | 6173 | | | |
| ITEM: | RELAY, 4P TO PLBM-AC2 | | | |
| LEAD ANALYST: | K. SCHMECKPEPER | | | |

**ASSESSMENT:**

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT | | ITEM |
| HDW/FUNC | A | B | C |
| NASA [ 3 /1R ] | [ P ] | [ P ] | [ P ] | [ ] * |
| IOA [ 3 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] |
| COMPARE [ / ] | [ ] | [ N ] | [ ] | [ N ] |

**RECOMMENDATIONS:** (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

**REMARKS:**

THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.

**REPORT DATE 02/23/88** C-1284
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6174
NASA FMEA #: 05-6-2756-3
SUBSYSTEM: EPD&C
MDAC ID: 6174
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER
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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6175
NASA FMEA #: 05-6-2756-1

SUBSYSTEM: EPD&C
MDAC ID: 6175
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1286
### APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/09/87  
**NASA DATA:** BASELINE [ ]  
**NASA FMEA #:** 05-6-2756-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6175  
**ITEM:** RELAY, 4P TO PLBM-AC2  
**LEAD ANALYST:** K. SCHMECKPEPER

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**RECOMMENDATIONS:** (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]

INADEQUATE [ ]

**REMARKS:**

**REPORT DATE 02/23/88  C-1287**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6176
NASA FMEA #: 05-6-2245-1

SUBSYSTEM: EPD&C
MDAC ID: 6176
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 A)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1288
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6177
NASA FMEA #: 05-6-2245-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6177
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 A)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6178
NASA FMEA #: 05-6-2245-2

SUBSYSTEM: EPD&C
MDAC ID: 6178
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 B)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

| [ ] | [ ] | [ ] | [ ] | [ ] | (ADD/DELETE) |

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6179
NASA FMEA #: 05-6-2245-1
SUBSYSTEM: EPD&C
MDAC ID: 6179
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 B)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

CIRCUIT BREAKER, 3A (AC CONT 3 B)

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RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-1291
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6180
NASA FMEA #: 05-6-2245-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6180
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6181
NASA FMEA #: 05-6-2245-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6181
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1293
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6182
NASA FMEA #: 05-6-2215-2

BASELINE [ ]
NEW [ X ]

NASA DATA:

SUBSYSTEM: MDAC
MDAC ID: 6182
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #3)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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COMPARE [ / ] [ ] [ N ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
NASAPolynomial DATA:
ASSESSMENT ID: EPD&C-6183
NASA FMEA #: 05-6-2215-1
SUBSYSTEM: EPD&C
MDAC ID: 6183
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #3)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS OPEN. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6183A
NASA FMEA #: 05-6-2215-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6183
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #3)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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COMPARE [ / ] [ ] [ ] [ ] [ ]

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1296
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
NASA DATA:
ASSESSMENT ID: EPD&C-6184
NASA FMEA #: 05-6-2488-2
SUBSYSTEM: EPD&C
MDAC ID: 6184
ITEM: HYBRID DRIVER TYPE I (MN C TO INV 3 ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6185
NASA FMEA #: 05-6-2488-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6185
ITEM: HYBRID DRIVER TYPE I (MN C TO INV 3 ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1298
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6186
NASA FMEA #: 05-6-2489-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6186
ITEM: HYBRID DRIVER TYPE I (MN C TO INV 3 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "83V76A18AR(I)J1-2".

REPORT DATE 02/23/88 C-1299
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6187
NASA FMEA #: 05-6-2489-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6187
ITEM: HYBRID DRIVER TYPE I (MN C TO INV 3 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | HDW/FUNC | A | B | C | ITEM |
| NASA [ 3 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] * |
| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | |
| COMPARE [ /N ] | [ N ] | [ N ] | [ N ] | [ N ] |

RECOMMENDATIONS: (If different from NASA)
[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "83V76A18AR(I)J1-2".