INDEPENDENT ORBITER ASSESSMENT

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

26 FEBRUARY 1988
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5587
NASA FMEA #: 05-6-2802-2
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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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RECOMMENDATIONS: (If different from NASA)
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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

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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-654
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5590A
NASA FMEA #: 05-6-2702-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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)
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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

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* CIL RETENTION RATIONALE: (If applicable)
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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.

REPORT DATE 02/23/88 C-656
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5592
NASA FMEA #: NOT FOUND

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

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:
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

NASA FMEA #: 05-6-2185-1
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5593
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-658
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
NASA DATA: BASELINE [ ]
ASSESSMENT ID: EPD&C-5594
NEW [ X ]
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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* 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
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
ASSESSMENT ID: EPD&C-5596A
NASA FMEA #: 05-6-2186-3

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 [ ]
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REMARKS:
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 ]
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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)
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Inadequate [ ]

REMARKS:

REPORT DATE 02/23/88  
C-664
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5598
NASA FMEA #: 05-6-2186-2
SUBSYSTEM: EPD&C
MDAC ID: 5598
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:**

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
ASSESSMENT ID: EPD&C-5599
NASA FMEA #: 05-6-2185-2

SUBSYSTEM: EPD&C
MDAC ID: 5599
ITEM: DIODE, ISOLATION 35A (TO R1A1 PANEL - ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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

NASA DATA:
BASELINE []
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5600
ITEM: DIODE, ISOLATION 35A (TO R1A1 PANEL - 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-667
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5601
NASA FMEA #: 05-6-2603-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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:
APPENDIX C
ASSESSMENT WORKSHEET

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

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

LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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NEW [ X ]

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: 6/06/87
ASSESSMENT ID: EPD&C-5604
NASA FMEA #: 05-6-2256-1
SUBSYSTEM: EPD&C
MDAC ID: 5604
ITEM: FUSE, 3A TO SIG COND/MDM MONITOR
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ] INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-671
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5605
NASA FMEA #: NEW # UNKNOWN

NASA DATA:
BASELINE [ ]
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)
ADEQUATE [ ]
INADEQUATE [ ]

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

ADEQUATE [ ]

INADEQUATE [ ]

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  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5607  
**ITEM:** FUSE, 10A TO ML86B PANEL  
**LEAD ANALYST:** K. SCHMECKPEPER

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* **CIL RETENTION RATIONALE:** (If applicable)  
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**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
SUBSYSTEM: EPD&C
MDAC ID: 5608
ITEM: FUSE, 15A TO MPCA-3
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:
CRITICALITY REDUNDANCY SCREENS
FLIGHT HDW/FUNC A B C

NASA [ 2 /1R ] [ P ] [ P ] [ P ] [ X ] *
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COMPARISON [ 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 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

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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(ADD/DELETE)

* 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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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-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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(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: 6/06/87
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

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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-679
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5613
NASA FMEA #: 05-6-2482-1

NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5613
ITEM: HYBRID DRIVER TYPE I (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: 6/06/87
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 [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5615
NASA FMEA #: 05-6-2385-1

SUBSYSTEM: EPD&C
MDAC ID: 5615
ITEM: RPC, 15A (TO 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-682
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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

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* 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)

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* 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
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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  
NASA DATA:  
ASSESSMENT ID: EPD&C-5618A  
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NASA FMEA #: 05-6-2191-3  
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)

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REMARKS:
APPENDIX C
ASSESSMENT 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.
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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* 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)

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

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

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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".
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)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-693
APPENDIX C
ASSESSMENT WORKSHEET

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

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

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**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

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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-696
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/13/87  
**ASSESSMENT ID:** EPD&C-5627  
**NASA FMEA #:** 05-6-2331-1  
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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5627  
**ITEM:** RESISTOR, 1.2K 2W (TO ESS BUS 3AB)

**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-697
APPENDIX C
ASSESSMENT WORKSHEET

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

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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* CIL RETENTION RATIONALE: (If applicable)

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INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-698
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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* CIL RETENTION RATIONALE: (If applicable)

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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

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* CIL RETENTION RATIONALE: (If applicable)

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

ADEQUATE [ ]  
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**REMARKS:**
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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* 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

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)

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)

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* 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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RECOMMENDATIONS: (If different from NASA)

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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 [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5636
NASA FMEA #: 05-6-2011-1
SUBSYSTEM: EPD&C
MDAC ID: 5636
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-707
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5637
NASA FMEA #: 05-6-2011-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5637
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-708
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5638
NASA FMEA #: 05-6-2011-1
SUBSYSTEM: EPD&C
MDAC ID: 5638
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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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-709
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5639
NASA FMEA #: 05-6-2011-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5639
ITEM: RPC, 10A TO MDCA #3 - 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-710
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

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)
ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-711
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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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-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
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5643
NASA FMEA #: 05-6-2188-2

NASA DATA:
BASELINE [ ]
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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* 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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5646
NASA FMEA #: 05-6-2271-1
SUBSYSTEM: EPD&C
MDAC ID: 5646
ITEM: FUSE, 3A TO GSE 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:

REPORT DATE 02/23/88 C-717
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

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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-718
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5648  
**NASA FMEA #:** 05-6-2274-1  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5648  
**ITEM:** FUSE, 5A  

**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-719**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5649
NASA FMEA #: 05-6-2273-1
NASA DATA:
BASELINE
NEW [ X ]

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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(ADD/DELETE)

* 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

ASSESSMENT:

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

REMARKS:

REPORT DATE 02/23/88  C-721
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5651
NASA FMEA #: 05-6-2273-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5651
ITEM: FUSE, 5A

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-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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(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-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

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

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* CIL RETENTION RATIONALE:  
(If applicable)

**REMARKS:**

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**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

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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-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

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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-5656
NASA FMEA #: 05-6-2272-1
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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(ADD/DELETE)

* 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

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

REPORT DATE 02/23/88 C-728
**APPENDIX C**

**ASSESSMENT WORKSHEET**

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5658  
**ITEM:** FUSE, 3A TO GSE MONITOR

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS

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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-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

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-J1(17)"

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

ASSESSMENT DATE: 6/13/87  NASA DATA:
ASSESSMENT ID: EPD&C-5661  BASELINE [   ]
NASA FMEA #: 05-6-2471-2  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5661
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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* 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)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5662
NASA FMEA #: 05-6-2471-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5662
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

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)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "83V76A18ARI-JI(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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
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-5664
NASA FMEA #: 05-6-2472-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5664
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)

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-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

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RECOMMENDATIONS: (If different from NASA)

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* 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5666
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-737
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5667
NASA FMEA #: 05-6-2471-2

SUBSYSTEM: EPD&C
MDAC ID: 5667
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 "82V76A17ARI-J1(17)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5668
NASA FMEA #: 05-6-2471-1
SUBSYSTEM: MDAC
MDAC ID: EPD&C
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)
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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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 "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

SUBSYSTEM: EPD&C
MDAC ID: 5670
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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

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**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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* 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 "81V76A16ARI-J1(17)".

**REPORT DATE 02/23/88 C-742**
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

ASSESSMENT:

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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 "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:

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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 "81V76A16ARI-J1(16)".

REPORT DATE 02/23/88 C-744
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5674
NASA FMEA #: 05-6-2471-1
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5674
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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* 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

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RECOMMENDATIONS: (If different from NASA)

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* 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)
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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

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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

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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-749
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

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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
ASSESSMENT ID: EPD&C-5680
NASA FMEA #: 05-6-2230-2

NASA DATA:
BASELINE [   ]
NEW [ X ]

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

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-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

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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-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

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:

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 [ ]
INADEQUATE [ ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
NEW [ X ]

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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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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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  NASA DATA:
ASSESSMENT ID:  EPD&C-5687  BASELINE [  ]
NASA FMEA #:  05-6-2386-1  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 [ ]
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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 [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
NASA DATA:
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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:
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

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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
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SUBSYSTEM: MDAC
MDAC ID: 5692
ITEM: RPC, 5A TO CONT BUS CA3 & 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-766
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
NASA DATA:
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

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-767
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5693A
NASA FMEA #: 05-6-2197-3
NASA DATA: [ ] BASELINE [ X ] NEW
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)

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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-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)

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-769
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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* 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-770
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5696  
**BASELINE [ ]**  
**NASA FMEA #:** 05-6-2197-1  
**NEW [ X ]**  

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

**LEAD ANALYST:** K. SCHMECKPEPER

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(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-771
APPENDIX C
ASSESSMENT WORKSHEET

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

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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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-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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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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

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**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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**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:
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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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* 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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* 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-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

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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:
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

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

ASSESSMENT DATE: 6/04/87  
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ASSESSMENT ID: EPD&C-5701  
BASELINE [ ]  
NASA FMEA #: 05-6-2197-1  
NEW [ X ]

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

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:
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5701
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 [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5702
NASA FMEA #: 05-6-2197-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5702
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 ]
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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-5703
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
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

NASA DATA:
BASELINE [    ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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
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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 [ ]
INADEQUATE [ ]

REMARKS:

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

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

SUBSYSTEM: EPD&C
MDAC ID: 5705
ITEM: RESISTOR, 2.2K 1/2W (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-785
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5706
NASA FMEA #: 05-6-2341-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5706
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:
**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

**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-787**
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5708
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND 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-788
APPENDIX C
ASSESSMENT WORKSHEET

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

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)

ADEQUATE [ ]
INADEQUATE [ ]

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

ASSESSMENT:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5713
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5713
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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(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

SUBSYSTEM: MDAC
MDAC ID: EPD&C
ITEM: HYBRID DRIVER TYPE I (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-794
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5715
NASA FMEA #: 05-6-2481-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5715
ITEM: HYBRID DRIVER TYPE I (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:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88 C-795
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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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-796
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5717
NASA FMEA #: 05-6-2481-1
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NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5717
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA2 & AB2)
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-797
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5718
NASA FMEA #: 05-6-2481-2
NASA DATA:
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NEW [ X ]

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)

ADEQUATE [ ]
INADEQUATE [ ]

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

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)

ADEQUATE [ ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88  C-799
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5720
NASA FMEA #: 05-6-2481-2
NASA DATA:
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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)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-800
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
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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| IOA [3 /1R] | [P] | [F] | [P] | [X] |

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

RECOMMENDATIONS: (If different from NASA)

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(REMOVE/ADD)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5723
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BASELINE [ ]
NEW [ X ]

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

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-803
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
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NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-5725
NASA FMEA #: 05-6-2481-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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

ASSESSMENT:

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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  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5727  
**NASA FMEA #:** 05-6-2481-1  
**NASA FMEA #:**  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5727  
**ITEM:** HYBRID DRIVER TYPE I (CONT BUS BC1 & CA1)  
**LEAD ANALYST:** K. SCHMECKPEPER  

**ASSESSMENT:**

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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 [ ]
INADEQUATE [ ]

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

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

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

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-811
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5732
NASA FMEA #: 05-6-2284-1

SUBSYSTEM: EPD&C
MDAC ID: 5732
ITEM: FUSE, 5A TO FLCA-2 (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-812
**APPENDIX C**

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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-5734
NASA FMEA #: 05-6-2386-2

NASA DATA:
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NEW [ X ]

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)
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REMARKS:
**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:**

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5736
NASA FMEA #: 05-6-2386-2
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5736
ITEM: RPC, 5A TO 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-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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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

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

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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-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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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-820
# APPENDIX C
## ASSESSMENT WORKSHEET

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

---

**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

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.

REPORT DATE 02/23/88 C-822
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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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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:

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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5743
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 ]
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

SUBSYSTEM: EPD&C
MDAC ID: 5743
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 [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5744
NASA FMEA #: 05-6-2197-2
NASA DATA:
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NEW [ X ]

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)

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-5745
NASA FMEA #: 05-6-2197-2

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 ]
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-5746
NASA FMEA #: 05-6-2197-1
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

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 [ ]
INADEQUATE [ ]

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
SUBSYSTEM: EPD&C
MDAC ID: 5747
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:

REPORT DATE 02/23/88 C-831
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5747A
NASA FMEA #: 05-6-2197-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5747
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 [ ]
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REMARKS:

REPORT DATE 02/23/88 C-832
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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* 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
ASSESSMENT ID: EPD&C-5749
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5749
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:
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-5750
NASA FMEA #: 05-6-2197-1

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

LEAD ANALYST: K. SCHMECKFEPER

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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

NASA DATA:
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NEW [ X ]

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:

REPORT DATE 02/23/88 C-836
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:
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

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 [ ]
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REMARKS:
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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COMPARE [ / ] [ ] [ ] [ ] [ ] [ ]

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

REMARKS:

REPORT DATE 02/23/88 C-840
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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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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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
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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-842
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. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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

ADEQUATE [ ]
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REPORT DATE 02/23/88 C-845
APPENDIX C
ASSESSMENT WORKSHEET

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

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 [ ]
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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
SUBSYSTEM: EPD&C
MDAC ID: 5761
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-847
APPENDIX C
ASSESSMENT WORKSHEET

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

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

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-848
APPENDIX C
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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-5764  
**NASA FMEA #:** 05-6-2340-1

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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5764  
**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-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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-851
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5766
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5766
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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5767
NASA ID #: 05-6-2341-1
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)

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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-5769A
NASA FMEA #: 05-6-2197-3

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

LEAD ANALYST: K. SCHMELKPEPER

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-856
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5770
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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-857
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

ASSESSMENT:

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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  NASA DATA:
ASSESSMENT ID: EPD&C-5772  BASELINE [ ]
NASA FMEA #: 05-6-2197-1  NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC  REDUNDANCY SCREENS

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

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

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-859
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
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
NASA DATA:
BASELINE [ ]
NEW [ X ]
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-862
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5774
NASA FMEA #: 05-6-2197-2
SUBSYSTEM: EPD&C
MDAC ID: 5774
ITEM: DIODE, ISOLATION 12A (TO CONT BUS CA2)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

* 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-863
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 ]
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-5776
NASA FMEA #: 05-6-2197-1
NASA ID: EPD&C-5776
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 ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-865
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-866
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5777
NASA FMEA #: 05-6-2197-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5777
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:

REPORT DATE 02/23/88  C-867
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5777
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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-868
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5778
NASA FMEA #: 05-6-2197-2
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.

REPORT DATE 02/23/88 C-869
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5779
NASA FMEA #: 05-6-2197-2

SUBSYSTEM: EPD&C
MDAC ID: 5779
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.
APPENDIX C
ASSESSMENT WORKSHEET

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

REMARKS:

REPORT DATE 02/23/88   C-871
APPENDIX C
ASSESSMENT WORKSHEET

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

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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5781  
**MDAC ID:** EPD&C  
**ITEM:** RPC, 5A TO CONT BUS CA1 & BC1  
**LEAD ANALYST:** K. Schmeckpeper  
**NASA FMEA #:** 05-6-2386-1  

**ASSESSMENT:**  
**CRITICALITY REDUNDANCY SCREENS CIL ITEM**  
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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-873
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5782
NASA FMEA #: 05-6-2386-2

SUBSYSTEM: EPD&C
MDAC ID: 5782
ITEM: RPC, 5A TO CONT BUS CA1 & BC1

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-874
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5783
NASA FMEA #: 05-6-2386-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5783
ITEM: RPC, 5A TO CONT BUS CA2 & BC2

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-875
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5784
NASA FMEA #: 05-6-2386-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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-5785  
**NASA FMEA #:** 05-6-2386-1

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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5785  
**ITEM:** RPC, 5A TO CONT BUS CA3 & BC3

**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-877
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5786
NASA FMEA #: 05-6-2386-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5786
ITEM: RPC, 5A TO CONT BUS CA3 & BC3

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-5787
NASA FMEA #: 05-6-2284-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5787
ITEM: FUSE, 5A TO FLCA-3 (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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-879
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5788
NASA FMEA #: NONE
NASA ID: EPD&C-5788
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NASA ID: EPD&C-5788
SUBSYSTEM: EPD&C
MDAC ID: 5788
ITEM: FUSE, IA TO P/L RETENTION LATCHES SYS 1
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:
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:
BASELINE [ ]
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)
ADEQUATE [ ]
INADEQUATE [ ]

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.

REPORT DATE 02/23/88 C-881
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5790
NASA FMEA #: 05-6-2262-1
SUBSYSTEM: EPD&C
MDAC ID: 5790
ITEM: FUSE, 5A 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:

REPORT DATE 02/23/88 C-882
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5791
NASA FMEA #: 05-6-2262-1
SUBSYSTEM: EPD&C
MDAC ID: 5791
ITEM: FUSE, 5A 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:

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

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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-884
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5793
NASA FMEA #: 05-6-2262-1

SUBSYSTEM: EPD&C
MDAC ID: 5793
ITEM: FUSE, 5A 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-885
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5794
NASA FMEA #: 05-6-2262-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5794
ITEM: FUSE, 5A TO CONT BUS BC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL ITEM |
| HDW/FUNC | A | B | C |
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| 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:
## APPENDIX C
### ASSESSMENT WORKSHEET

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5795  
**ITEM:** FUSE, 5A 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:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5796
NASA FMEA #: 05-6-2262-1
SUBSYSTEM: EPD&C
MDAC ID: 5796
ITEM: FUSE, 5A TO CONT BUS CA1
LEAD ANALYST: K. SCHMECKPEPER

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| 3 /IR |

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| CIL |
| ITEM |
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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-888
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5797
NASA FMEA #: 05-6-2262-1
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-889
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5798
NASA FMEA #: 05-6-2262-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5798
ITEM: FUSE, 5A TO CONT BUS CA3

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)

[ / ] [ ] [ ] [ ] [ ]
(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

**SUBSYSTEM:** EPD&C

**MDAC ID:** 5799

**ITEM:** FUSE, 1A TO MMCA-1 & 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 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, 1A TO MMCA-1 & 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:
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-5801
NASA FMEA #: 05-6-2620-1

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL ITEM |
| FLIGHT HDW/FUNC | A | B | C | |
| NASA [ 2 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] * |
| IOA [ 2 /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-893
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT 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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RECOMMENDATIONS: (If different from NASA)
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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
NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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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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)
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
## 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 [ X ]
INADEQUATE [ ]

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

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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, IA TO MMCA-4 & 3
LEAD ANALYST: K. SCHMECKPEPER

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| IOA  | [ 2 /1R ] | [ P ] | [ 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 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5810
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: 12/17/87
ASSESSMENT ID: EPD&C-5811
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5811
ITEM: DIODE, ISOLATION 3A
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-903
APPENDIX C
ASSESSMENT WORKSHEET

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

ASSESSMENT ID: EPD&C
MDAC ID: 5812
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.
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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* 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-5814
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5814
ITEM: DIODE, ISOLATION 3A
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 /1R ] | [ P ] | [ F ] | [ P ] | [ X ] |

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

RECOMMENDATIONS: (If different from NASA)

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

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87  NASA DATA:
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NASA FMEA #: 05-6-2903-1  NEW [ X ]
SUBSYSTEM: EPD&C  NASA [ ]
MDAC ID: 5815  [ P ]  [ F ]
ITEM: DIODE, ISOLATION 3A  [ P ]
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-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

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-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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(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-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:

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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-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

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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-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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
ADECQUATE [ 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: MDAC
MDAC ID: 5823
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY REDUNDANCY SCREENS CIL |
|----------------|-----|-----|-----|
| FLIGHT          | A   | B   | C   |
| HDW/FUNC        |     |     |     |
| 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

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-5825
NASA FMEA #: 05-6-2903-2
SUBSYSTEM: EPD&C
MDAC ID: 5825
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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NEW [ X ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5827
NASA FMEA #: 05-6-2658-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

ASSESSMENT:

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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

SUBSYSTEM: EPD&C
MDAC ID: 5830
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'S SCREEN "B".

REPORT DATE 02/23/88 C-922
### APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 1/01/88  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5831  
**NASA FMEA #:** 05-6-2245-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5831  
**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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* 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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* CIL RETENTION RATIONALE:  (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-924
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  

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-925
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5834
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [   ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5834
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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 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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* CIL RETENTION RATIONALE: (If applicable)

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

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5836  
**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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* **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-928**
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

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 OPEN. IOA CONCURS WITH NASA'S REEVALUATION.
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/18/87  
**ASSESSMENT ID:** EPD&C-5837A  
**NASA FMEA #:** 05-6-2215-3  
**NASA DATA:**
- **BASELINE:** [ ]
- **NEW:** [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5837  
**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:**

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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
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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* 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

ASSESSMENT:

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| 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 REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5840
NASA FMEA #: 05-6-2488-1

ASSESSMENT ID:  EPD&C-5840  NASA FMEA #: 05-6-2488-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5840
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5841
NASA FMEA #: 05-6-2489-2

NASA DATA:  
BASELINE [ ]  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5841  
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 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:

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".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5842
NASA FMEA #: 05-6-2489-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5842
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(I)J1-2".

REPORT DATE 02/23/88 C-935
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(1)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5844
NASA FMEA #: 05-6-2485-1

ASSESSMENT ID: EPD&C
MDAC ID: 5844
ITEM: HYBRID DRIVER TYPE II (INV 1 A ON)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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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

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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.

REPORT DATE 02/23/88 C-938
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5846
NASA FMEA #: 05-6-2485-1

ASSessment ID: EPD&C-5846
NASA FMEA #: 05-6-2485-1

SUBSYSTEM: MDAC ID: 5846
ITEM: HYBRID DRIVER TYPE II (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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* 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

SUBSYSTEM: EPD&C
MDAC ID: 5847
ITEM: HYBRID DRIVER TYPE II (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:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(3)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-940
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
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

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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(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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5850
ITEM: HYBRID DRIVER TYPE III (INV 1 A 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-J4(1)".

REPORT DATE 02/23/88
C-943
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&G-5851
NASA FMEA #: 05-6-2486-2

SUBSYSTEM: EPD&G
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)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5852
NASA FMEA #: 05-6-2486-1
SUBSYSTEM: EPD&C
MDAC ID: 5852
ITEM: HYBRID DRIVER TYPE III (INV 1 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 "81V76A16AR-J4(2)".

REPORT DATE 02/23/88 C-945
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 1C 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-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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
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IN Ade quate [ ]

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)
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INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-949
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

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-950
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5858
NASA FMEA #: 05-6-2487-1

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: EPD&C
MDAC ID: 5858
ITEM: HYBRID DRIVER TYPE III (INV 1 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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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.
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

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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-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

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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.
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: EPD&C
MDAC ID: 5861
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 [ ]
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

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 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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
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

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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**

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5865  
**ITEM:** RELAY, LATCHING TO INVERTER 1C  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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* **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

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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.

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:**  
**MDAC ID:** EPD&C  
**ITEM:** 5867  
**ITEM:** FUSE, 80A TO INV 1 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-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

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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-961
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5869
NASA FMEA #: 05-6-2287-1
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5869
ITEM: FUSE, 80A 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 [ ]
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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

NASA DATA:
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NEW [ X ]

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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-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 [ ]
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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:

REPORT DATE 02/23/88 C-965
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 [ ]
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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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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-5875
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 5875
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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**NASA FMEA #:** 05-6-2199-1  
**ASSESSMENT ID:** EPD&C  
**MDAC ID:** 5876  
**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:**
ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5877
NASA FMEA #: 05-6-2199-1

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)

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REMARKS:

REPORT DATE 02/23/88
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5878
NASA FMEA #: 05-6-2199-1
NASA DATA:
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SUBSYSTEM: EPD&C
MDAC ID: 5878
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
## APPENDIX C
### ASSESSMENT WORKSHEET

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**NASA FMEA #:** 05-6-2390-2  
**SUBSYSTEM:** EPD&C  
**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

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**ASSESSMENT ID:** EPD&C-5880  
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**NASA ID:** EPD&C  
**MDAC ID:** 5880  
**ITEM:** RPC, 7.5A TO INV 1 A  
**LEAD ANALYST:** K. SCHMECKPEPER

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

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**  
C-973
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5881
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NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5881
ITEM: RPC, 7.5A TO INV 1 B
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-974
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5882
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NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [    ]
INADEQUATE [    ]

REMARKS:

REPORT DATE 02/23/88 C-976
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5884
NASA FMEA #: 05-6-2390-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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)

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REMARKS:

REPORT DATE 02/23/88 C-977
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5885
NASA FMEA #: 05-6-2015-1

NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5885
ITEM: INVERTER 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-978
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5886
NASA FMEA #: 05-6-2015-2
SUBSYSTEM: EPD&C
MDAC ID: 5886
ITEM: INVERTER 1 A
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5887
NASA FMEA #: 05-6-2015-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5887
ITEM: INVERTER 1 A

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".
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

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* CIL RETENTION RATIONALE: (If applicable)
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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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5888
ITEM: INVERTER 1 A

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-982
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5889
NASA FMEA #: 05-6-2015-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5889
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 [ ]
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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

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
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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
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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(RECLASSIFICATION 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

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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* 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

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

REPORT DATE 02/23/88 C-987
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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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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
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ITEM: INVERTER 1 C
LEAD ANALYST: K. SCHMECKPEPER

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

SUBSYSTEM: EPD&C
MDAC ID: 5895
ITEM: INVERTER 1 C

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-990
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5896
NASA FMEA #: 05-6-2015-4

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:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5896
ITEM: INVERTER 1 C

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-992
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

NASA DATA:
BASELINE [   ]  
NEW [ X ]

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)
[ / ] [ ] [ ] [ ] [ ] [ ]

ADD/DELETE

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

SUBSYSTEM: EPD&C
MDAC ID: 5900
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 ON)

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 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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)

[ / ] [ ] [ ] [ ]

* 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".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5902
NASA FMEA #: 05-6-2474-2

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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(ADD/DELETE)

* 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 #: NEW # UNKNOWN

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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(ADD/DELETE)

* 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 [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5905
NASA FMEA #: 05-6-2361-1
NASA FMEA #: 05-6-2361-1
NASA FMEA #: 05-6-2361-1
NASA FMEA #: 05-6-2361-1
SUBSYSTEM: EPD&C
MDAC ID: 5905
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1001
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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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
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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* CIL RETENTION RATIONALE: (If applicable)
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INADEQUATE [ ]

REMARKS:

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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(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-1004
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5909
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5909
ITEM: DIODE, BLOCKING 1A (TO 1 B SET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-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

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

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:

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

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5912
NASA FMEA #: 05-6-2195-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5912
ITEM: DIODE, BLOCKING 1A (TO 1 C SET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC
NASA [ 3 /1R ] [ P ] [ NA ] [ P ] [ ] *
IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]
COMPARE [ /N ] [ N ] [ N ] [ N ] [ ]

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

* 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.

REPORT DATE 02/23/88  C-1009
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5914
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
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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(ADD/DELETE)

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5915
ITEM: DIODE, BLOCKING 1A (TO 1 B 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-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

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:
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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* 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-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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1014
APPENDIX C
ASSESSMENT WORKSHEET

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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

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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-1016
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5921
NASA FMEA #: 05-6-2204-2

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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1017
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5922
NASA FMEA #: 05-6-2204-1

SUBSYSTEM: EPD&C
MDAC ID: 5922
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

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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 DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.

REPORT DATE 02/23/88 C-1018
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5923
NASA FMEA #: 05-6-2204-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM:
EPD&C

MDAC ID:
5923

ITEM:
DIODE, BLOCKING 1A (TO 1 A 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 [ ]
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REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERTENSION CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5924
NASA FMEA #: 05-6-2204-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1020
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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5926
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:

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

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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-5928
NASA FMEA #: 05-6-2349-1

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)

ADEQUATE [ ]
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REMARKS:
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)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1025
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5930
NASA FMEA #: 05-6-2332-1

SUBSYSTEM: EPD&C
MDAC ID: 5930
ITEM: RESISTOR, 1.8K 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-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 ]

SUBSYSTEM: EPD&C
MDAC ID: 5931
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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(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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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5931  
**ITEM:** SWITCH, TOGGLE SPDT (AC 1 BUS SNSR)  
**LEAD ANALYST:** K. SCHMECKPEPER

**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-1028
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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5933
ITEM: CIRCUIT BREAKER, 3A TO AC1 BUS SENSOR

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".

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5934
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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(ADD/DELETE)

* 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

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-1032
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5936
NASA FMEA #: 05-6-2016-2
SUBSYSTEM: EPD&C
MDAC ID: 5936
ITEM: RELAY, LATCHING TO AC BUS 1A
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5936
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 [ 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)

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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-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

ASSESSMENT:

CRITICALITY

REDUNDANCY SCREENS

CIL

ITEM

FLIGHT

HDW/FUNC

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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:

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88   C-1036
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.

REPORT DATE 02/23/88 C-1037
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5941
NASA FMEA #: 05-6-2264-1
SUBSYSTEM: EPD&C
MDAC ID: 5941
ITEM: FUSE, 3A TO AC BUS 1 A
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-1038
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5942
NASA FMEA #: 05-6-2264-1
NASA DATA: BASELINE [ ] NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5942
ITEM: FUSE, 3A TO AC BUS 1 B
LEAD ANALYST: K. SCHMECKPEPER

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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: 6/06/87
ASSESSMENT ID: EPD&C-5943
NASA FMEA #: 05-6-2264-1

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 [ ]
INADEQUATE [ ]

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

SUBSYSTEM: EPD&C
MDAC ID: 5944
ITEM: FUSE, 3A TO AC VOLTOMETER

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5945
ITEM: FUSE, 3A TO AC VOLTMETER

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-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:

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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:  
MDAC ID:  
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-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

ASSESSMENT:

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

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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 [ ]
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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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1046
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1047
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 [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5952
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5952
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 1 C VOLTAGE)

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-1049
APPENDIX C
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| 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-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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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-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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1052
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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

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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-1053
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&CP-5957
NASA FMEA #: 05-6-2353-1
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&CP
MDAC ID: 5957
ITEM: RESISTOR, 100K (AC BUS 1 B CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

REPORT DATE 02/23/88 C-1054
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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ASSESSMENT ID: EPD&C-5958
NASA FMEA #: 05-6-2353-1
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 [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1055
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5959
NASA FMEA #: 05-6-2305-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5959
ITEM: 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 [ ]
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REMARKS:

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

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:
**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

**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:**

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**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
SUBSYSTEM: EPD&C
MDAC ID: 5962
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 [ ]
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REMARKS:

REPORT DATE 02/23/88 C-1059
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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. 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-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

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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5965
NASA FMEA #: 05-6-2298-2

SUBSYSTEM: EPD&C
MDAC ID: 5965
ITEM: CIRCUIT BREAKER, 3A 3-P
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-1062
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5966
NASA FMEA #: 05-6-2618-1

ASSESSMENT ID: EPD&C
MDAC ID: 5966
ITEM: CIRCUIT BREAKER TO FMCA-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:

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

SUBSYSTEM: EPD&C
MDAC ID: 5967
ITEM: CIRCUIT BREAKER TO FMCA-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:

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

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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(ADD/DELETE)

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

REMARKS:
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

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 AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSSESSMENT 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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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-5971
NASA FMEA #: 05-6-2614-2
SUBSYSTEM: EPD&C
MDAC ID: 5971
ITEM: CIRCUIT BREAKER TO MMCA-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 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5973
ITEM: CIRCUIT BREAKER TO AMCA-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-1070
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5974
NASA FMEA #: 05-6-2611-1
ASSESSMENT ID: EPD&C-5974
NASA FMEA #: 05-6-2611-1
SUBSYSTEM: EPD&C
MDAC ID: 5974
ITEM: CIRCUIT BREAKER AC 1A TO RCS/OMS-1
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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 "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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5975
ITEM: CIRCUIT BREAKER AC 1A TO RCS/OMS-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-1072
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5976
NASA FMEA #: 05-6-2611-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5976
ITEM: CIRCUIT BREAKER AC 1B TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88   C-1074
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: EPD&C
MDAC ID: 5978
ITEM: CIRCUIT BREAKER AC 1C TO RCS/OMS-1

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 ] [ P ] [ P ] [ ]

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.

REPORT DATE 02/23/88 C-1075
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5979
NASA FMEA #: 05-6-2611-2
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SUBSYSTEM:
MDAC ID: EPD&C
ITEM: 5979
ITEM:

CIRCUIT BREAKER AC 1C TO RCS/OMS-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:

REPORT DATE 02/23/88 C-1076
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
NASA DATA:
ASSESSMENT ID: EPD&C-5980
NASA FMEA #: 05-6EB-2004-1
SUBSYSTEM: EPD&C
MDAC ID: 5980
ITEM: RELAY TO PLBD 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 [ ]
INADEQUATE [ ]

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  

NASA DATA:  
BASELINE [ ]  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5981  
ITEM: RELAY TO PLBD 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 [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".  

REPORT DATE 02/23/88  
C-1078
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5982
NASA FMEA #: 05-6EB-2004-1
SUBSYSTEM: EPD&C
MDAC ID: 5982
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 [ ]
INADEQUATE [ ]

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
SUBSYSTEM: MDAC
MDAC ID: 5983
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".

REPORT DATE 02/23/88 C-1080
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

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-1081
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5985
NASA FMEA #: 05-6EB-2004-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5985
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC

REDUNDANCY SCREENS
A  B  C

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

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

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".

REPORT DATE 02/23/88 C-1082
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 [ ]
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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

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".

REPORT DATE 02/23/88   C-1084
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

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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-1085
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5988A
NASA FMEA #: 05-6-2751-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5988
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-1086
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5989
NASA FMEA #: 05-6-2751-3
SUBSYSTEM: MDAC
MDAC ID: 5989
ITEM: RELAY, 4P TO PLEBM-AC1
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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-5990  
**NASA FMEA #:** 05-6-2751-1

**SUBSYSTEM:**  
**MDAC ID:** EPD&C  
**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-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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1089
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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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

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

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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-5994
NASA FMEA #: 05-6-2754-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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-5994A
NASA FMEA #: 05-6-2754-2
SUBSYSTEM: EPD&C
MDAC ID: 5994
ITEM: RELAY, 4P TO PLBM-AC1
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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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

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### RECOMMENDATIONS: (If different from NASA)

![Diagram](Image)

* CIL RETENTION RATIONALE: (If applicable)

![Diagram](Image)

### 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5996
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 A)

LEAD ANALYST: K. SCHMECKPEPER

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COMPARE [ / ] [ ] [ 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".
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: MDAC
MDAC ID: EPD&C 5997
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 A)

LEAD ANALYST: K. SCHMECKPEPER

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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.

REPORT DATE 02/23/88 C-1098
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5998
NASA FMEA #: 05-6-2245-1

NASA DATA:
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**

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6000  
**ITEM:** CIRCUIT BREAKER, 3A (AC CONT 2 C)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

| [ ] | [ ] | [ ] | [ ] | [ ] |

(ADD/DELETE)

**REMARKS:**

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

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6001
NASA FMEA #: 05-6-2245-2

SUBSYSTEM: MDAC
MDAC ID: 6001
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 REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1102
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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6002A
NASA FMEA #: 05-6-2215-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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

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

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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* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT:

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| IOA | [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE | [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

| [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

(ADD/DELETE)

* 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

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 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

ASSESSMENT:

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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(I)J1-2".

REPORT DATE 02/23/88 C-1109
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6008
NASA FMEA #: 05-6-2485-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6008
ITEM: HYBRID DRIVER TYPE II (INV 2 A ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ ]

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(1)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1110
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

ASSESSMENT:

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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. SCHMECKPPEPER

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 [ 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  
**NASA DATA:** BASELINE [ ]  
**NASA FMEA #:** 05-6-2485-1  
**NEW:** [ X ]  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6011  
**ITEM:** HYBRID DRIVER TYPE II (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 [ ]  
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 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:
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
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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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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6014
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)
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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
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 [ ]
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REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(1)".
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

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(2)".
**APPENDIX C**

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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(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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(ADD/DELETE)

* 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
SUBSYSTEM: EPD&C
MDAC ID: 6019
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 [ ]
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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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6021
NASA FMEA #: 05-6-2487-1
NASA ID: EPD&C-6021
ITEM: HYBRID DRIVER TYPE III (INV 2 A OFF)
LEAD ANALYST: K. SCHMECKPEPER

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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-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)  

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### 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

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT     | HDW/FUNC | A | B | C | ITEM |
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| 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 REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6024
NASA FMEA #: 05-6-2487-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6024
ITEM: HYBRID DRIVER TYPE III (INV 2 C 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-1126
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

NASA DATA:
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 NEW [ X ]

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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: 6/13/87
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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6028
NASA FMEA #: 05-6-2297-1
ASSESSMENT ID: EPD&C-6028
NASA FMEA #: 05-6-2297-1
NASA FMEA #: 05-6-2297-1

SUBSYSTEM: MDAC
MDAC ID: 6028
ITEM: FUSE, 3A TO AC BUS 2C OFF
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-6029
NASA FMEA #: 05-6-2297-1
SUBSYSTEM: MDAC
MDAC ID: EPD&C
ITEM 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.
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: EPD&C
MDAC ID: 6030
ITEM: FUSE, 3A TO AC BUS 2A OFF

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

NASA [ 3 /1R ]
IOA [ 3 /3 ]
COMPARE [ N ]

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

* 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
SUBSYSTEM: EPD&C
MDAC ID: 6031
ITEM: FUSE, 3A TO AC BUS 2C 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 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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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-1134
**APPENDIX C**
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6033  
**NASA FMEA #:** 05-6-2287-1  
**NASA DATA:**  
- BASELINE  
- NEW  

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6033  
**ITEM:** FUSE, 80A 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:

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6036
NASA FMEA #: 05-6-2346-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6036
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-1138
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6037
NASA FMEA #: 05-6-2346-1

SUBSYSTEM: EPD&C
MDAC ID: 6037
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-1139
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6038
NASA FMEA #: 05-6-2199-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6038
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-1140
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6039
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6039
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-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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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
**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 [ ]
INADEQUATE [ ]

**REMARKS:**

REPORT DATE 02/23/88 C-1143
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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**RECOMMENDATIONS:** (If different from NASA)

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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

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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-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

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-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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RECOMMENDATIONS: (If different from NASA)

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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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* CIL RETENTION RATIONALE: (If applicable)

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

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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1150
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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  

NASA DATA:  
BASELINE [ ]  
NEW [ X ]

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

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REMARKS:

REPORT DATE 02/23/88   C-1152
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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ITEM: RPC, 7.5A TO INV 2 A
ITEM: RPC, 7.5A TO INV 2 A
LEAD ANALYST: K. SCHMECKPEPER
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-1153
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6052
NASA FMEA #: 05-6-2390-2

SUBSYSTEM: EPD&C
MDAC ID: 6052
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:

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:

REPORT DATE 02/23/88 C-1155
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6054
NASA FMEA #: 05-6-2390-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
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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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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-1157
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

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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-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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* 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
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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6059
NASA FMEA #: 05-6-2139-2

SUBSYSTEM: MDAC
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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* 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-1161
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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RECOMMENDATIONS: (If different from NASA)

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* 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

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

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:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6064
ITEM: INVERTER 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-1166
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6065
NASA FMEA #: 05-6-2015-4

SUBSYSTEM: EPD&C
MDAC ID: 6065
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 [ 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-6065A
NASA FMEA #: 05-6-2015-5

SUBSYSTEM: EPD&C
MDAC ID: 6065
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 [ 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

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: EPD&C
MDAC ID: 6066
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

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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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6067
ITEM: INVERTER 2 B

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-1170
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-6068
NASA FMEA #: 05-6-2015-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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

REPORT DATE 02/23/88 C-1171
APPENDIX C
ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87
**ASSESSMENT ID:** EPD&C-6069
**NASA FMEA #:** 05-6-2015-4

**SUBSYSTEM:** EPD&C
**MDAC ID:** 6069
**ITEM:** INVERTER 2 B

**LEAD ANALYST:** K. SCHMECKPEPER

**NASA DATA:**

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

**ASSESSMENT:**

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

| COMPARE [ 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.

**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

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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* 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  NASA DATA:
ASSESSMENT ID: EPD&C-6070  BASELINE [ ]
NASA FMEA #: 05-6-2015-1  NEW [ X ]

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
NASU 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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".

REPORT DATE 02/23/88 C-1176
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6073
NASA FMEA #: 05-6-2015-4

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6073
ITEM: INVERTER 2 C

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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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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* 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

NASA DATA:
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

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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
SUBSYSTEM: EPD&C
MDAC ID: 6075
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 ON)
LEAD ANALYST: K. SCHMECKPEPER

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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
ASSESSMENT ID: EPD&C-6076
SUBSYSTEM: EPD&C
MDAC ID: 6076
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 OFF)
LEAD ANALYST: K. SCHMECKPEPER

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| IOA      | 3/3  |     |     |     |     |     |
| 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 "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

ASSESSMENT:

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

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

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(III)J1-109".

REPORT DATE 02/23/88 C-1182
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

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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.

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

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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 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: 12/18/87
ASSESSMENT ID: EPD&C-6080
NASA FMEA #: 05-6-2216-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6080
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 2)

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 "ON" POSITION, "ON" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
**APPENDIX C**

**ASSESSMENT WORKSHEET**

ASSESSMENT DATE: 12/18/87  
NASA DATA:  
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  
LEAD ANALYST:  

**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, "OFF" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.

REPORT DATE 02/23/88  
C-1186
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6082
NASA FMEA #: 05-6-2265-2
SUBSYSTEM: EPD&C
MDAC ID: 6082
ITEM: CIRCUIT BREAKER, 3A TO AC2 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-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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(ADD/DELETE)

* 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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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

**ASSESSMENT DATE:** 7/01/87  
**ASSESSMENT ID:** EPD&C-6084A  
**NASA FMEA #:** 05-6-2223-3  
**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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**RECOMMENDATIONS:**  
(If different from NASA)  
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(ADD/DELETE)

**C/I/L RETENTION RATIONALE:**  
(If applicable)  
ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**  

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**REPORT DATE 02/23/88**  
**C-1190**
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6085  
**NASA FMEA #:** 05-6-2223-2  

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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6085  
**ITEM:** SWITCH, TOGGLE SPDT (AC 2 BUS SNSR)

**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:**

FAILURE MODE CHANGED TO FAILS CLOSED IN MONITER POSITION - IOA CONCURS WITH NASA REEVALUATION.

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**REPORT DATE** 02/23/88  
**C-1191**
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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(ADD/DELETE)

* 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
ASSESSMENT ID: EPD&C-6087
NASA FMEA #: 05-6-2195-2
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NASA FMEA #: 05-6-2195-2

ASSESSMENT ID: EPD&C-6087
NASA FMEA #: 05-6-2195-2
SUBSYSTEM: EPD&C
MDAC ID: 6087
ITEM: DIODE, BLOCKING 1A (TO 2 A SET)
LEAD ANALYST: K. SCHMECKPEEPER

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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-6088
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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
SUBSYSTEM: EPD&C
MDAC ID: 6089
ITEM: DIODE, BLOCKING 1A (TO 2 B SET)
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-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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IOA [ 3 /3 ] [ ] [ ] [ ] [ ] [ ]

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

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

(ADD/DELETE)

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

ASSESSMENT:

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

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

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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6093
NASA FMEA #: 05-6-2195-1

ASSESSMENT ID: EPD&C
MDAC ID: 6093
ITEM: DIODE, BLOCKING 1A (TO 2 A 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-1199
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6094
NASA FMEA #: 05-6-2195-1
SUBSYSTEM: EPD&C
MDAC ID: 6094
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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-1200
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6095
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: EPD&C
MDAC ID: 6095
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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(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.
### 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

**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 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  NASA DATA:
ASSESSMENT ID: EPD&C-6097  BASELINE [  ]
NASA FMEA #: 05-6-2195-1  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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
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

ASSESSMENT:

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| FLIGHT | HDW/FUNC | A | B | C | ITEM |
| NASA | 3 /1R | [ P ] | [ NA ] | [ P ] | [ ] |
| IOA | 3 /3 | [ ] | [ ] | [ ] | [ ] |
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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-6099  
NASA FMEA #: 05-6-2204-2

NASA DATA:
BASELINE [ ]  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 6099  
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-1205
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6100
NASA FMEA #: 05-6-2204-2

SUBSYSTEM: EPD&C
MDAC ID: 6100
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-1206
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6101
NASA FMEA #: 05-6-2204-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6101
ITEM: DIODE, BLOCKING 1A (TO 2 B 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 ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6102
NASA FMEA #: 05-6-2204-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6102
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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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-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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* 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6104
ITEM: FUSE, 3A TO AC BUS 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-1210
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6106
ITEM: FUSE, 3A TO AC BUS 2 C

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-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 VOLTOMETER
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-1213
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6108
NASA FMEA #: 05-6-2259-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
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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
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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6110  
**ITEM:** RELAY, LATCHING TO AC BUS 2A

**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-1216**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6111
NASA FMEA #: 05-6-2016-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6111
ITEM: RELAY, LATCHING TO AC BUS 2A

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.

REPORT DATE 02/23/88 C-1217
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6112
NASA FMEA #: 05-6-2016-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 FMEA #: 05-6-2016-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6113
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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(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-1219
### APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-6114  
**NASA FMEA #:** 05-6-2016-1  
**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)

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

**REMARKS:**

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**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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6115
ITEM: RELAY, LATCHING TO AC BUS 2C

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: 6/06/87
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

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-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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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-1223
### APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6118  
**NASA FMEA #:** 05-6-2347-1  
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**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)

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**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6119
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: EPD&C
MDAC ID: 6119
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALLY REDUNDANCY SCREENS CIL
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)

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REMARKS:

REPORT DATE 02/23/88 C-1225
## APPENDIX C
### ASSESSMENT WORKSHEET

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

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1227
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6122
NASA FMEA #: 05-6-2332-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6122
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 [ ]
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

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-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)

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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. SCHMECKPFEPPER

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

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS CIL ITEM  

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

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

- ADEQUATE [ ]  
- INADEQUATE [ ]

**REMARKS:**

C - 7

**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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6126
ITEM: RESISTOR, 100K (AC BUS 2 B CURRENT)

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-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

ASSESSMENT:

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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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1234
APPENDIX C
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ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6129
NASA FMEA #: 05-6-2352-1
NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6129
ITEM: RESISTOR, 150K 1/2W (AC BUS 2 B VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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

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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1236
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6131
NASA FMEA #: 05-6-2352-1

SUBSYSTEM: EPD&C
MDAC ID: 6131
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 2 A VOLTAGE)
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1237
### APPENDIX C
#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
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**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

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

  ADEQUATE [ ]

  INADEQUATE [ ]

**REMARKS:**

**REPORT DATE 02/23/88** C-1238
**APPENDIX C**

**ASSESSMENT WORKSHEET**

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**SUBSYSTEM:** EPD&C
**MDAC ID:** 6133
**ITEM:** RESISTOR, 4.3K 1/8W (AC BUS 2 C VOLTAGE)

**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-6134  
**NASA FMEA #:** 05-6-2361-1

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**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6134  
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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-1240
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6135
NASA FMEA #: 05-6-2361-2

SUBSYSTEM: EPD&C
MDAC ID: 6135
ITEM: AC OVER/UNDER VOLT SNSR 2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMOUTS:

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

SUBSYSTEM: EPD&C
MDAC ID: 6136
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1242
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

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALITY REDUNDANCY SCREENS CIL
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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-1243
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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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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REMARKS:
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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* 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

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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-1246
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6141
NASA FMEA #: 05-6-2611-1
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)

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-6142  
NASA FMEA #: 05-6-2611-2
NASA DATA: BASELINE [ ]  
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6142
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 [ ] |
| INADEQUATE [ ] |

REMARKS:

REPORT DATE 02/23/88 C-1248
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

ASSESSMENT:

CRITICALITY
FLIGHT
HOME/FUNC

REdundancy SCREENS
A  B  C

CIL
ITEM

NASA  [ 3 /1R ] [ P ] [ F ] [ 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 SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.

REPORT DATE 02/23/88 C-1249
# APPENDIX C
## ASSESSMENT WORKSHEET

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### 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
ASSESSMENT ID: EPD&C-6145
NASA FMEA #: 05-6-2618-2
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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-6146
NASA FMEA #: 05-6-2616-2

NASA DATA:
BASELINE [ ]
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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(ADD/DELETE)

* 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

### 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-1253**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6148
NASA FMEA #: 05-6-2613-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6148
ITEM: CIRCUIT BREAKER TO MMCA-2
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-1254
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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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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 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: MDAC
MDAC ID: 6150
ITEM: CIRCUIT BREAKER TO MMCA-3
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-1256
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6151
NASA FMEA #: 05-6-2615-1

NASA DATA:
BASELINE [ ]
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
SUBSYSTEM: EPD&C
MDAC ID: 6152
ITEM: CIRCUIT BREAKER TO MMCA-4
LEAD ANALYST: K. SCHMECKPEPER

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| COMPARE | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

[ ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1258
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

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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-1259
APPENDIX C
ASSESSMENT WORKSHEET

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6155
NASA FMEA #: 05-6-2612-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6155
ITEM: CIRCUIT BREAKER TO AMCA-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-1261
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6156
NASA FMEA #: 05-6-2755-1

SUBSYSTEM: EPD&C
MDAC ID: 6156
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-6156A
NASA FMEA #: 05-6-2755-2
SUBSYSTEM: EPD&C
MDAC ID: 6156
ITEM: RELAY, 4P TO PLBM-AC2
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)

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
NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT ID: EPD&C
MDAC ID: 6157
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 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

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| LEAD ANALYST: K. SCHMECKPEPER |

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* CIL RETENTION RATIONALE: (If applicable)

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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

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:
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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

AD Eq UATE [ ]
INAQ UATE [ ]

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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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".

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:**  
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**NASA FMEA #:** 05-6EB-2004-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6163  
**ITEM:** RELAY TO PLBD AC2  
**LEAD ANALYST:** K. SCHMECKPEPER  

**ASSESSMENT:** CRITICALITY REDUNDANCY SCREENS CIL ITEM  

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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-1271**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6164
NASA FMEA #: 05-6-2752-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6164
ITEM: RELAY, 4P TO PLBM-AC2

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-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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(ADD/DELETE)

* 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
SUBSYSTEM: EPD&C
MDAC ID: 6165
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.

REPORT DATE 02/23/88 C-1274
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)

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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-1275
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/09/87  
**ASSESSMENT ID:** EPD&C-6167  
**NASA FMEA #:** 05-6-2752-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6167  
**ITEM:** RELAY, 4P TO PLBM-AC2  
**LEAD ANALYST:** K. SCHMECKPEPER

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(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.
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6168
NASA FMEA #: 05-6EB-2004-1
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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* 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

NASA DATA:
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NEW [ X ]

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-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
SUBSYSTEM: EPD&C
MDAC ID: 6171
ITEM: RELAY TO PLBD AC2
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-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

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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-1283
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6173
NASA FMEA #: 05-6-2756-3

SUBSYSTEM: MDAC
MDAC ID: 6173
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.

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

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.

REPORT DATE 02/23/88 C-1285
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)

[ / ] [ ] [ ] [ ] [ ] (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-1286
APPENDIX C

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6175A
NASA FMEA #: 05-6-2756-2

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)

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

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6176
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 A)

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-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

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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6178
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6178
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 B)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| 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 REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1290
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

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-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

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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-1292
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:
MDAC ID: 6181
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 C)
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)
[ / ] [ ] [ ] [ ] [ ]

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: MDAC
MDAC ID: 6182
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 CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6183
NASA FMEA #: 05-6-2215-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6183
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #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:
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

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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-6184
NASA FMEA #: 05-6-2488-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

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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(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-1297
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)

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

* 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
SUBSYSTEM: EPD&C
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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(ADD/DELETE)

* 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:

CRITICALITY 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)

[ / ] [ ] [ ] [ ]

* 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".

REPORT DATE 02/23/88 C-1300