INDEPENDENT ORBITER ASSESSMENT

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

26 FEBRUARY 1988
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5587  
**NASA FMEA #:** 05-6-2802-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5587  
**ITEM:** RPC, 5A (TO RCS/OMS AB BUS)  
**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:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5588
NASA FMEA #: 05-6-2652-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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-652
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-5589  BASELINE [ ]
NASA FMEA #: 05-6-2652-2  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: NASA FMEA #:
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)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
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)

ADEQUATE [ ]
INADEQUATE [ ]

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

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

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

NASA DATA:
BASELINE [ ]
NEW [ ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

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

SUBSYSTEM: EPD&C
MDAC ID: 5593
ITEM: DIODE, ISOLATION 35A (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

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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-658
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5594
NASA FMEA #: 05-6-2185-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5595
NASA FMEA #: 05-6-2186-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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(ADD/DELETE)

* 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-660
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

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-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 [ ]
INADEQUATE [ ]

REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ x ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5599
NASA FMEA #: 05-6-2185-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5599
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:

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-666
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5600
NASA FMEA #: 05-6-2185-1
SUBSYSTEM: EPD&C
MDAC ID: 5600
ITEM: DIODE, ISOLATION 35A (TO R1A1 PANEL - ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

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| 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-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

ASSESSMENT:

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

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

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

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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5602
ITEM: FUSE, 10A TO ESS BUS 3AB

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-669
**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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**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: 6/06/87
ASSESSMENT ID: EPD&C-5604
NASA FMEA #: 05-6-2256-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)

ADEXQUATE [ ]

INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 1/01/88  NASA DATA:
ASSESSMENT ID: EPD&C-5605  BASELINE [ ]
NASA FMEA #: NEW # UNKNOWN  NEW [ X ]

SUBSYSTEM: EPD&C  NASA DATA:
MDAC ID: 5605  BASELINE [ ]
ITEM: FUSE, 15A TO APCA-6  NEW [ X ]

LEAD ANALYST: K. SCHMECKPEPER

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

COMPARE [ / ] [ ] [ 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 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 [ ]

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

ASSESSMENT ID:
NASA FMEA #:
SUBSYSTEM:
MDAC ID:
ITEM:
LEAD ANALYST:

NASA DATA:
BASELINE [ ]
NEW [ X ]

RECOMMENDATIONS: (If different from NASA)

* CIL RETENTION RATIONALE: (If applicable)

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

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 FUEL CELL SAFING CONCERNS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5609
NASA FMEA #: 05-6-2275-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

ASSESSMENT:

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NASA DATA:
BASELINE [ ]
NEW [ X ]

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

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

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

## Assessment

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

If different from NASA, list any recommendations.

* 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-678**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5612
NASA FMEA #: 05-6-2482-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5612
ITEM: HYBRID DRIVER TYPE I (ESS BUS 3AB)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* 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

SUBSYSTEM: EPD&C
MDAC ID: 5613
ITEM: HYBRID DRIVER TYPE I (ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

REMARKS:

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

ASSESSMENT DATE: 6/06/87
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

ASSESSMENT:

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| I OA | [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ]   |

COMPAR E [ / ] [ ] [ ] [ ] [ ] [ ]

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-681
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5615
NASA FMEA #: 05-6-2385-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5615
ITEM: RPC, 15A (TO ESS BUS 3AB)
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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 DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS.

REPORT DATE 02/23/88 C-683
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* 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

ASSESSMENT:

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

REMARKS:
### APPENDIX C
### ASSESSMENT WORKSHEET

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

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

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

**LEAD ANALYST:** K. SCHMECKPEPER

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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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(ADD/DELETE)

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

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

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

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

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RECOMMENDATIONS: (If different from NASA)

* CIL RETENTION RATIONALE: (If applicable)

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:  
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)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

ADEQUATE [ ]
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REMARKS:
**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

**ASSESSMENT:**

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**COMPARE** [ / ]

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

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

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

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5625
NASA FMEA #: 05-6-2335-1

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)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5626
NASA FMEA #: 05-6-2331-1

SUBSYSTEM: EPD&C
MDAC ID: 5626
ITEM: RESISTOR, 1.2K 2W (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:
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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5627
ITEM: RESISTOR, 1.2K 2W (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:
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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

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

LEAD ANALYST: K. SCHMECKPEPER

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

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

REMARKS:

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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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

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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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

REMARKS:

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

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5634
NASA FMEA #: 05-6-2339-1

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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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-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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COMPARISON: [ / ] [ ] [ ] [ ] [ ]

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-5637
NASA FMEA #: 05-6-2011-2

SUBSYSTEM: EPD&C
MDAC ID: 5637
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-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

NASA DATA:
BASELINE [ ]
NEW [ X ]

CRITICALITY FLIGHT HDW/FUNC
REDUNDANCY SCREENS A B C

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

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

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

REMARKS:

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

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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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-5640
NASA FMEA #: 05-6-2338-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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RECOMMENDATIONS: (If different from NASA)

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

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

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

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

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

REMARKS:

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

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5646
NASA FMEA #: 05-6-2271-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5646
ITEM: FUSE, 3A TO GSE MONITOR

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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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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

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: EPD&C
MDAC ID: 5648
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:
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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* 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

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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-721
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5651  
**NASA FMEA #:** 05-6-2273-1  
**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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* **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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-726
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5656
NASA FMEA #: 05-6-2272-1
SUBSYSTEM: EPD&C
MDAC ID: 5656
ITEM: FUSE, 10A TO ALCA-3
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5657
NASA FMEA #: 05-6-2272-1

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 [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5658
NASA FMEA #: 05-6-2271-1

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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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 "83V76A18ARI-J1(17)".

REPORT DATE 02/23/88  C-730
# APPENDIX C

## ASSESSMENT WORKSHEET

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

**ASSESSMENT ID:** EPD&C-5660

**NASA FMEA #:** 05-6-2471-1

**SUBSYSTEM:** EPD&C

**MDAC ID:** 5660

**ITEM:** HYBRID DRIVER TYPE I (INHIBIT BUS 1)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** 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:**

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

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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* 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:
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NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5662
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)
LEAD ANALYST: K. SCHMECKPEPER
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

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

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5663
NASA FMEA #: 05-6-2472-2
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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* 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

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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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* 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
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ASSESSMENT ID: EPD&C-5666
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NASA FMEA #: 05-6-2472-1
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5666
ITEM: HYBRID DRIVER TYPE III (RESISTANCE TEST BUS)
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: 6/13/87
ASSESSMENT ID: EPD&C-5667
NASA FMEA #: 05-6-2471-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5667
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 1)

LEAD ANALYST: K. SCHMECKPEPER

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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)".

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

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

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

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

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

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5669
NASA FMEA #: 05-6-2471-2
NASA DATA: BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5669
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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)".
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5671
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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

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
SUBSYSTEM: EPD&C
MDAC ID: 5672
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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(ADD/DELETE)

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

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

REPORT DATE 02/23/88 C-743
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5673
NASA FMEA #: 05-6-2471-2

SUBSYSTEM: EPD&C
MDAC ID: 5673
ITEM: HYBRID DRIVER TYPE I (INHIBIT BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION DUE TO CONCERNS ABOUT INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE DESIGNATOR SHOULD READ "81V76A16ARI-J1(16)".
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

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APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* 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

ASSESSMENT:

CRITICALITY

FLIGHT HDW/FUNC

REDUNDANCY SCREENS

CIL ITEM

A B C

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

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-747
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5677
NASA FMEA #: 05-6-2230-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

REMARKS:
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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(ADD/DELETE)

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

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

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

RECOMMENDATIONS: (If different from NASA)

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

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5681
NASA FMEA #: 05-6-2230-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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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-752
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5682
NASA FMEA #: 05-6-2230-2
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:
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

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

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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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 [ ]
INADEQUATE [ ]

REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5689
ITEM: RPC, 5A TO CONT BUS CA2 & AB2
LEAD ANALYST: K. SCHMECKPEPER

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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-5690
NASA FMEA #: 05-6-2386-2

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

LEAD ANALYST: K. SCHMECKPEPER

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

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5691
NASA FMEA #: 05-6-2386-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5691
ITEM: RPC, 5A TO CONT BUS CA3 & AB3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5692
NASA FMEA #: 05-6-2386-2
NASA DATA: BASELINE [ ] NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL ITEM |
| FLIGHT HDW/FUNC | A | B | C |
| NASA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] * |
| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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 [ ]  
NEW [ X ]

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

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

REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5694
ITEM: DIODE, ISOLATION 12A (TO CONT BUS A/1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

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

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RECOMMENDATIONS: (If different from NASA)

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

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

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

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

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
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 [ ]
INADEQUATE [ ]

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  
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)

(ADD/DELETE)

* CIL RETENTION RATIONALE:  
(If applicable)

ADEQUATE [X]
INADEQUATE [ ]

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

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

LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ x ]

SUBSYSTEM:
MDAC ID:
ITEM:

LEAD ANALYST:

ASSESSMENT:

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

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

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

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

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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| 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 "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88  C-775
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5699
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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-776
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5700
NASA FMEA #: 05-6-2197-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

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

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-778
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5701
NASA FMEA #: 05-6-2197-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC
A  B  C

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-779
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5702
NASA FMEA #: 05-6-2197-2

SUBSYSTEM: EPD&C
MDAC ID: 5702
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB3)

LEAD ANALYST: K. SCHMECKPEPER

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

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

LEAD ANALYST: K. SCHMECKPEPER

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* 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-782
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 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-783
APPENDIX C
ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 1/01/88
**NASA DATA:**
**ASSESSMENT ID:** EPD&C-5704A
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**NASA FMEA #:** 05-6-2197-3
**NEW [ X ]**

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

**LEAD ANALYST:** K. SCHMECKPEPER

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  - [ ]*

- **IOA [ 3 /1R ]**
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  - [ P ]
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**COMPAR** [ / ]

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

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(ADD/DELETE)

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

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
NASA DATA:  
ASSESSMENT ID: EPD&C-5705  
BASELINE [ ]  
NASA FMEA #: 05-6-2341-1  
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

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

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

Adequate [ ]
Inadequate [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5707
NASA FMEA #: 05-6-2341-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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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(ADD/DELETE)

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

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88 C-788
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5709
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* 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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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-5711
NASA FMEA #: 05-6-2340-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-791
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#### 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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  - INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**

C-792
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5713
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

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

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

NASA DATA:  
BASELINE [ ]  
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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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

SUBSYSTEM: EPD&C
MDAC ID: 5715
ITEM: HYBRID DRIVER TYPE I (CONT BUS CA1 & AB1)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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)

REMARKS:

ADEQUATE [ ]
INADEQUATE [ ]

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
NASA DATA:
BASELINE [ ]
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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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-797
APPENDIX C
ASSESSMENT WORKSHEET

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

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

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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

NASA DATA:
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NEW [ x ]

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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

SUBSYSTEM: MDAC
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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* 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-5722
NASA FMEA #: 05-6-2481-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT ID: EPD&C-5722
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:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

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

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

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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

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

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

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

SUBSYSTEM: EPD&C
MDAC ID: 5726
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC1 & CA1)
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

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

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5727
NASA FMEA #: 05-6-2481-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5727
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC1 & CA1)

LEAD ANALYST: K. SCHMECKPEPER

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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-807
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-5728  
NASA FMEA #: 05-6-2481-2  
NASA DATA:  
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NEW [ x ]

SUBSYSTEM: EPD&C  
MDAC ID: 5728  
ITEM: HYBRID DRIVER TYPE I (CONT BUS BC2 & 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-808
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5729
NASA FMEA #: 05-6-2481-1
NASA DATA:
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NEW [ X ]

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

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-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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

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

**REMARKS:**

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-813
APPENDIX C
ASSESSMENT WORKSHEET

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ITEM: RPC, 5A TO CONT BUS BC1 & AB1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5737
ITEM: RPC, 5A TO CONT BUS BC3 & AB3
LEAD ANALYST: K. SCHMECKPEPER

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* 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  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5739  
**NASA FMEA #:** 05-6-2197-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5739  
**ITEM:** DIODE, ISOLATION 12A (TO CONT BUS AB1)  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

ADEQUATE [ X ]

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**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
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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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5740
NASA FMEA #: 05-6-2197-2
NASA ID: EPD&C
MDAC ID: 5740
ITEM: DIODE, ISOLATION 12A (TO CONT BUS AB1)
LEAD ANALYST: K. SCHMECKPEPER

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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5741
NASA FMEA #: 05-6-2197-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A   B   C

ITEM

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

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

RECOMMENDATIONS: (If different from NASA)

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

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

ASSESSMENT DATE: 6/04/87  NASA DATA:
ASSESSMENT ID: EPD&C-5742  BASELINE [ ]
NASA FMEA #: 05-6-2197-1  NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ ]

(RECOMMENDATION: (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
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

ASSESSMENT:

CRITICALITY
FLIGHT HDW/FUNC

REDUNDANCY SCREENS
A  B  C

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

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

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

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

REMARKS:

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

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

REMARKS:

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

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

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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 "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.

REPORT DATE 02/23/88  C-827
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
NASA DATA:
ASSESSMENT ID: EPD&C-5746
BASELINE [ ]
NASA FMEA #: 05-6-2197-1
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

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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(ADD/DELETE)

* 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
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 [ X ]
INADEQUATE [ ]

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-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

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-834
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. SCHMECKPEPER

ASNAA 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. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

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

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

**LEAD ANALYST:** K. SCHMECKPEPER

**NASA DATA:**

- BASELINE [ ]  
- NEW [ X ]

**SUBSYSTEM:** MDAC  
**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:**

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**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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5751  
**ITEM:** RESISTOR, 2.2K 1/2W (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:**

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5752
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5753
NASA FMEA #: 05-6-2341-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5754
NASA FMEA #: 05-6-2325-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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

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REMARKS:

REPORT DATE 02/23/88 C-841
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5756
NASA FMEA #: 05-6-2325-1

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

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

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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)
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REMARKS:

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

ASSESSMENT DATE: 6/06/87
NASA DATA:
    NASA FMEA #: 05-6-2325-1
    NEW [ X ]

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)
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REMARKS:
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)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5760
NASA FMEA #: 05-6-2340-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5760
ITEM: RESISTOR, 1.8K 1/4W (TO DC RETURN)
LEAD ANALYST: K. SCHMECKPEPER

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* 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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88 C-848
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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
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NASA FMEA #: 05-6-2340-1
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| 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-850
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5765
NASA FMEA #: 05-6-2325-1
NASA DATA:
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NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5765
ITEM: RESISTOR, 1.8K 1/4W (TO SIG COND OF3)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5766
NASA FMEA #: 05-6-2341-1

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 [ ]
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REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5767
NASA FMEA #: 05-6-2341-1
SUBSYSTEM: EPD&C
MDAC ID: 5767
ITEM: RESISTOR, 2.2K 1/2W (TO MDM OF3)
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-853
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5768
NASA FMEA #: 05-6-2341-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
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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)

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REMARKS:

REPORT DATE 02/23/88 C-855
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
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NASA FMEA #: 05-6-2197-3
NASA DATA:
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NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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*CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

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

| SUBSYSTEM: | EPD&C |
| MDAC ID: | 5771 |
| ITEM: | DIODE, ISOLATION 12A (TO CONT BUS BC1) |
| LEAD ANALYST: | K. SCHMECKPEPER |

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT | A | B | C | ITEM |
| HDW/FUNC | | | |
| NASA | 2 /1R | P | F | P | X |
| IOA | 3 /1R | F | F | P | X |
| 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 "A". IOA DID NOT CONSIDER THE LOSS OF A BUS AS A SINGLE FAILURE.
APPENDIX C
ASSESSMENT WORKSHEET

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

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

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

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:
APPENDIX C
ASSESSMENT WORKSHEET

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

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 [ ]
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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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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-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.

REPORT DATE 02/23/88 C-864
APPENDIX C
ASSESSMENT WORKSHEET

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)
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* 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)

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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-5780  
NASA FMEA #: 05-6-2197-1

NASA DATA:
BASELINE [ ]  
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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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* 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  
**NASA FMEA #:** 05-6-2386-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5781  
**ITEM:** RPC, 5A TO CONT BUS CA1 & BCI  
**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:**

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

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 [ ]
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REMARKS:

REPORT DATE 02/23/88 C-874
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-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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5785  
**NASA FMEA #:** 05-6-2386-1  
**NASA DATA:** BASELINE [ ]  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5785  
**ITEM:** RPC, 5A TO CONT BUS CA3 & BC3  
**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-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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-878
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5787  
**NASA FMEA #:** 05-6-2284-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5787  
**ITEM:** FUSE, 5A TO FLCA-3 (CONT BUS PWR)  
**LEAD ANALYST:** K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5788
NASA FMEA #: NONE

NASA DATA: BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5788
ITEM: FUSE, 1A 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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5790
NASA FMEA #: 05-6-2262-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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:
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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* CIL RETENTION RATIONALE: (If applicable)
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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
ASSESSMENT ID: EPD&C
MDAC ID: 5793
ITEM: FUSE, 5A TO CONT BUS BC1
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-885
ASSESSMENT DATE: 6/06/87
NASA DATA:
BASELINE [   ]
NEW [ X ]

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

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-886
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5795
NASA FMEA #: 05-6-2262-1
SUBSYSTEM: EPD&C
MDAC ID: 5795
ITEM: FUSE, 5A TO CONT BUS BC3
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5796
NASA FMEA #: 05-6-2262-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5796
ITEM: FUSE, 5A TO CONT BUS CA1

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

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

* 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

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

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

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

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

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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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-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.
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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

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

REPORT DATE 02/23/88 C-896
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5805
NASA FMEA #: 05-6-2619-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5805
ITEM: FUSE, 1A TO MMCA-4 & 3
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:

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

ASSESSMENT DATE: 12/07/87  
ASSESSMENT ID: EPD&C-5807  
NASA FMEA #: 05-6-2620-1  

SUBSYSTEM: EPD&C  
MDAC ID: 5807  
ITEM: FUSE, 1A TO MMCA-4 & 3  

LEAD ANALYST: K. SCHMECKPEPER  

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RECOMMENDATIONS: (If different from NASA)  

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* CIL RETENTION RATIONALE: (If applicable)  

ADEQUATE [ X ]  
INADEQUATE [ ]  

REMARKS:  

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

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5808
NASA FMEA #: 05-6-2620-1
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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5809
NASA FMEA #: 05-6-2619-1

SUBSYSTEM: EPD&C
MDAC ID: 5809
ITEM: FUSE, 1A TO MMCA-4 & 3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(REM) (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/13/87  
ASSESSMENT ID: EPD&C-5810  
NASA PMEA #: 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.

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

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5811
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5811
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-903
APPENDIX C
ASSESSMENT WORKSHEET

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

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

LEAD ANALYST: K. SCHMECKPEPER

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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

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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-906
APPENDIX C
ASSESSMENT WORKSHEET

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

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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:

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

RECOMMENDATIONS: (If different from NASA)

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

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S 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
NASA DATA:
BASELINE [ ]
NEW [ X ]

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.

REPORT DATE 02/23/88 C-909
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5818
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | 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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87  NASA DATA:
ASSESSMENT ID: EPD&C-5819  BASELINE [ ]
NASA FMEA #: 05-6-2903-1  NEW [ x ]

SUBSYSTEM: EPD&C
MDAC ID: 5819
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-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.
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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(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-5822  
**NASA FMEA #:** 05-6-2903-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5822  
**ITEM:** DIODE, ISOLATION 3A

**LEAD ANALYST:** K. SCHMECKPEPER

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

**REMARKS:** -

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**REPORT DATE 02/23/88**  
C-914
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5823
NASA FMEA #: 05-6-2903-1
SUBSYSTEM: EPD&C
MDAC ID: 5823
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

RECOMMENDATIONS: (If different from NASA)
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(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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5824
ITEM: DIODE, ISOLATION 3A

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 [ 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
ASSESSMENT ID: EPD&C
MDAC ID: 5825
ITEM: DIODE, ISOLATION 3A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

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

ASSESSMENT DATE: 12/17/87
ASSESSMENT ID: EPD&C-5826
NASA FMEA #: 05-6-2903-1

SUBSYSTEM: EPD&C
MDAC ID: 5826
ITEM: DIODE, ISOLATION 3A

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS: 

REPORT DATE 02/23/88 C-918
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5827
NASA FMEA #: 05-6-2658-1
SUBSYSTEM: EPD&C
MDAC ID: 5827
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 1)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88 C-919
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/08/87
ASSESSMENT ID: EPD&C-5828
NASA FMEA #: 05-6-2658-2

SUBSYSTEM: EPD&C
MDAC ID: 5828
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA THAT THIS FAILURE WOULD CAUSE THE INADVERTENT POWERING OF THE PAYLOAD BAY MECHANICAL BUSSES. IOA CONCURS WITH THE NASA REEVALUATION.
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/08/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-5829  
**NASA FMEA #:** 05-6-2658-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5829  
**ITEM:** SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 2)  
**LEAD ANALYST:** K. SCHMECKPEPER

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* 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 BUSSSES. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5830
NASA FMEA #: 05-6-2658-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID:
ITEM: SWITCH, TOGGLE 4PDT (P/L BAY MECH PWR SYS 2)

LEAD ANALYST: K. SCHMECKPEPER

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IOA [ 2 /IR ] [ P ] [ P ] [ P ] [ X ]

COMPARE [ / ] [ ] [ 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-922
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5831
NASA FMEA #: 05-6-2245-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5831
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 A)

LEAD ANALYST: K. SCHMECKPEPER

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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  
**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)

**REMARKS:**

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5833
NASA FMEA #: 05-6-2245-1

SUBSYSTEM: EPD&C
MDAC ID: 5833
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 B)

LEAD ANALYST: K. SCHMECKPEPER

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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**

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**SUBSYSTEM:** EPD&C

**MDAC ID:** 5834

**ITEM:** CIRCUIT BREAKER, 3A (AC CONT 1 B)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

**REPORT DATE 02/23/88 C-926**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5835
NASA FMEA #: 05-6-2245-1

SUBSYSTEM: EPD&C
MDAC ID: 5835
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-5836
NASA FMEA #: 05-6-2245-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5836
ITEM: CIRCUIT BREAKER, 3A (AC CONT 1 C)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-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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* 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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-930
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87  NASA DATA:
ASSESSMENT ID: EPD&C-5838  BASELINE [ ]
NASA FMEA #: 05-6-2215-2  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5838
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* 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

SUBSYSTEM: EPD&C
MDAC ID: 5839
ITEM: HYBRID DRIVER TYPE I (MN A TO INV 1 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*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
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

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-933
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

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 DUE TO CONCERNS ABOUT
INADVERTENT POWERING OF THE PREFLIGHT TEST BUS. REFERENCE
DESIGNATOR SHOULD READ "81V76A16AR(I)J1-2".

REPORT DATE 02/23/88 C-934
APPENDIX C
ASSESSMENT WORKSHEET

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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5843
ITEM: HYBRID DRIVER TYPE II (INV 1 A ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
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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
SUBSYSTEM: EPD&C
MDAC ID: 5844
ITEM: HYBRID DRIVER TYPE II (INV 1 A ON)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(1)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5845
NASA FMEA #: 05-6-2485-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

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.
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [   ]
NEW [   ]

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

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:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(2)".

REPORT DATE 02/23/88 C-939
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5847
NASA FMEA #: 05-6-2485-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM:
MDAC ID: 5847
ITEM: HYBRID DRIVER TYPE II (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(3)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5848
NASA FMEA #: 05-6-2485-1
SUBSYSTEM: EPD&C
MDAC ID: 5848
ITEM: HYBRID DRIVER TYPE II (INV 1 C ON)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J2(3)".

REPORT DATE 02/23/88 C-941
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5849
NASA FMEA #: 05-6-2486-2

SUBSYSTEM: EPD&C
MDAC ID: 5849
ITEM: HYBRID DRIVER TYPE III (INV 1 A ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| COMPARE     | /N                 | N       | N       | N       | N |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(1)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5850
NASA FMEA #: 05-6-2486-1
SUBSYSTEM: EPD&C
MDAC ID: 5850
ITEM: HYBRID DRIVER TYPE III (INV 1 A ON)
LEAD ANALYST: K. SCHMECKPEPER

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 "81V76A16AR-J4(1)".

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5851
ITEM: HYBRID DRIVER TYPE III (INV 1 B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS. REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(2)".

REPORT DATE 02/23/88   C-944
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-5852
NASA FMEA #: 05-6-2486-1

SUBSYSTEM: EPD&C
MDAC ID: 5852
ITEM: HYBRID DRIVER TYPE III (INV 1B ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(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)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5854
NASA FMEA #: 05-6-2486-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5854
ITEM: HYBRID DRIVER TYPE III (INV 1 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)*

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR-J4(3)".

REPORT DATE 02/23/88 C-947
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5855
NASA FMEA #: 05-6-2487-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5855
ITEM: HYBRID DRIVER TYPE III (INV 1 A OFF)

LEAD ANALYST: K. SCHMECKPEPER

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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-948
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5856
NASA FMEA #: 05-6-2487-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5856
ITEM: HYBRID DRIVER TYPE III (INV 1 A OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5857
NASA FMEA #: 05-6-2487-2

NASA DATA:
BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5857
ITEM: HYBRID DRIVER TYPE III (INV 1 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-950
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5860
NASA FMEA #: 05-6-2487-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5860
ITEM: HYBRID DRIVER TYPE III (INV 1 C OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| HDW/FUNC | [ ] | [ ] | [ ] |

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

REPORT DATE 02/23/88 C-953
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5861
NASA FMEA #: 05-6-2139-1

NASA DATA: BASELINE [ ]
NEW [ X ]

SUBSYSTEM: 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

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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-955
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5863
NASA FMEA #: 05-6-2139-1

SUBSYSTEM: EPD&C
MDAC ID: 5863
ITEM: RELAY, LATCHING TO INVERTER 1B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5864
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 5864
ITEM: RELAY, LATCHING TO INVERTER 1B
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:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER EXAMINATION OF THE CIRCUIT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5865
NASA FMEA #: 05-6-2139-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5865
ITEM: RELAY, LATCHING TO INVERTER 1C

LEAD ANALYST: K. SCHMECKPEPER

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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-5866
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: EPD&C
MDAC ID: 5866
ITEM: RELAY, LATCHING TO INVERTER 1C
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.

REPORT DATE 02/23/88 C-959
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5867
NASA FMEA #: 05-6-2287-1
SUBSYSTEM: EPD&C
MDAC ID: 5867
ITEM: FUSE, 80A TO INV 1A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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

SUBSYSTEM: EPD&C
MDAC ID: 5869
ITEM: FUSE, 80A TO INV 1 C

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-962
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5870
NASA FMEA #: 05-6-2346-1

SUBSYSTEM: EPD&C
MDAC ID: 5870
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-963
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5871
NASA FMEA #: 05-6-2346-1
SUBSYSTEM: EPD&C
MDAC ID: 5871
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:
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 [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5873
NASA FMEA #: 05-6-2199-1

SUBSYSTEM: EPD&C
MDAC ID: 5873
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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* 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

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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-968
APPENDIX C
ASSESSMENT WORKSHEET

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

REPORT DATE 02/23/88 C-969
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5877
ITEM: DIODE, ISOLATION

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-970
APPENDIX C
ASSESSMENT WORKSHEET

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-971
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5879
NASA FMEA #: 05-6-2390-2

SUBSYSTEM: MDAC
MDAC ID: 5879
ITEM: RPC, 7.5A TO INV 1 A

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-972
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5880
NASA FMEA #: 05-6-2390-1
NASA DATA:
BASELINE [ ]
NEW [ X]

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

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5881
NASA FMEA #: 05-6-2390-2
SUBSYSTEM: EPD&C
MDAC ID: 5881
ITEM: RPC, 7.5A TO INV 1 B
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-974
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5882
NASA FMEA #: 05-6-2390-1
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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| COMPARE | [ / ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

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

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

SUBSYSTEM: EPD&C
MDAC ID: 5884
ITEM: RPC, 7.5A TO INV 1 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-979
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

REPORT DATE 02/23/88 C-980
### APPENDIX C

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5888  
**NASA FMEA #:** 05-6-2015-4

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5888  
**ITEM:** INVERTER 1 A  
**LEAD ANALYST:** K. SCHMECKPEPER

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

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*(ADD/DELETE)*

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

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

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-5888A
NASA FMEA #: 05-6-2015-5
NASA FMEA #: EPD&C
MDAC ID: 5888
ITEM: INVERTER 1 A
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

SUBSYSTEM: EPD&C
MDAC ID: 5889
ITEM: INVERTER 1 B
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-983
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5890
NASA FMEA #: 05-6-2015-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5890
ITEM: INVERTER 1 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-984
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87  
NASA DATA:  
ASSESSMENT ID: EPD&C-5891  
BASELINE [ ]  
NASA FMEA #: 05-6-2015-3  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5891  
ITEM: INVERTER 1 B

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

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

REPORT DATE 02/23/88  C-985
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5892
NASA FMEA #: 05-6-2015-4
SUBSYSTEM: EPD&C
MDAC ID: 5892
ITEM: INVERTER 1 B
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:
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

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

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

**REMARKS:**

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**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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-988
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5894
NASA FMEA #: 05-6-2015-2
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 5894
ITEM: INVERTER 1 C
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-989
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-5895
NASA FMEA #: 05-6-2015-3

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88 C-990
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5896
NASA FMEA #: 05-6-2015-4
SUBSYSTEM: EPD&C
MDAC ID: 5896
ITEM: INVERTER 1 C
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: 12/05/87
ASSESSMENT ID: EPD&C-5896A
NASA FMEA #: 05-6-2015-5

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:

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

**NASA DATA:**

- BASELINE [ ]
- NEW [ X ]

**SUBSYSTEM:** EPD&C

**MDAC ID:** 5897

**ITEM:** SWITCH, TOGGLE 3PDT (INV/AC BUS 1)

**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
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

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

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION, "OFF" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5899
NASA FMEA #: 05-6-2475-1
SUBSYSTEM: EPD&C
MDAC ID: 5899
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 ON)
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-995
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
NASA DATA: BASELINE [ ] NEW [ X ]
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)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION BECAUSE IOA THOUGHT THE INVERTER INPUT POWER WAS SUPPLIED THROUGH A LATCHING RELAY AND THE RELAY DOES NOT LATCH.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-5901
NASA FMEA #: 05-6-2474-1
NASA ID:
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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| FLIGHT | | |
| HDW/FUNC | A | B | C | ITEM |
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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 "81V76A16AR(III)J1-109".
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5902
ITEM: HYBRID DRIVER TYPE III (AC BUS 1 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "81V76A16AR(III)J1-109".

REPORT DATE 02/23/88 C-998
**APPENDIX C**

**ASSESSMENT WORKSHEET**

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5903  
**ITEM:** FUSE, 3A TO AC BUS 1 CMD  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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**C**  
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**IOA [ 3 /3 ]**  
**COMPARE [ / ]**  

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

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

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**

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**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:

REPORT DATE 02/23/88    C-1000
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5905
NASA FMEA #: 05-6-2361-1
SUBSYSTEM: EPD&C
MDAC ID: 5905
ITEM: AC OVER/UNDER VOLT SNSR 1
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 [ ]
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

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

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

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

REPORT DATE 02/23/88 C-1002
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5907  
**NASA FMEA #:** 05-6-2195-1

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

**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)
  - ADEQUATE [ ]
  - INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**  
**C-1003**
# APPENDIX C
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87  
**ASSESSMENT ID:** EPD&C-5908  
**NASA FMEA #:** 05-6-2195-2  
**NASA DATA:**

- BASELINE [ ]
- NEW [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5908  
**ITEM:** DIODE, BLOCKING 1A (TO 1 A SET)  
**LEAD ANALYST:** K. SCHMECKPEPER

**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 DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
### APPENDIX C
ASSESSMENT WORKSHEET

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

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

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5909  
**ITEM:** DIODE, BLOCKING 1A (TO 1 B SET)  
**LEAD ANALYST:** K. SCHMECKPEPER  

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

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

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

REMARKS:

REPORT DATE 02/23/88   C-1006
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5911
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5911
ITEM: DIODE, BLOCKING 1A (TO 1 C SET)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1007
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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5913
NASA FMEA #: 05-6-2195-2
ASSESSMENT ID: EPD&C-5913
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 5913
ITEM: DIODE, BLOCKING 1A (TO 1 A RESET)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
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ITEM: DIODE, BLOCKING 1A (TO 1 A 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.

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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* 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 1B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1011
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5916
NASA FMEA #: 05-6-2195-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5916
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5917
NASA FMEA #: 05-6-2195-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5917
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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REDUNDANCY SCREENS

CIL

ITEM

FLIGHT

HDW/FUNC

A

B

C

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

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

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING
THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

REPORT DATE 02/23/88 C-1013
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

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-5919
NASA FMEA #: 05-6-2204-1

ASSESSMENT ID: EPD&C-5919
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5919
ITEM: DIODE, BLOCKING 1A (TO 1 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.

REPORT DATE 02/23/88 C-1015
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
NASA DATA: BASELINE [ ] NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5921
ITEM: DIODE, BLOCKING 1A (TO 1 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'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

SUBSYSTEM: EPD&C
MDAC ID: 5923
ITEM: DIODE, BLOCKING 1A (TO 1 A RESET)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.

REPORT DATE 02/23/88 C-1019
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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| IOA  | 3 /3 | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE | / | [ ] | [ ] | [ ] | [ ] | [ ] |

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

* ADEQUATE [ ]
  INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

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

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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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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
SUBSYSTEM: EPD&C
MDAC ID: 5927
ITEM: RESISTOR, 2.2K 1/4W
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-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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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMABRS:
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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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-5930
NASA FMEA #: 05-6-2332-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5930
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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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-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.

REPORT DATE 02/23/88 C-1027
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 7/01/87  
ASSESSMENT ID: EPD&C-5931A  
NASA FMEA #: 05-6-2223-3  

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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5932
ITEM: SWITCH, TOGGLE SPDT (AC 1 BUS SNSR)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

<p>| CRITICALLY | REDUNDANCY SCREENS | CIL ITEM |</p>
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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.

REPORT DATE 02/23/88 C-1029
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5933  
**NASA FMEA #:** 05-6-2265-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 5933  
**ITEM:** CIRCUIT BREAKER, 3A TO AC1 BUS SENSOR  
**LEAD ANALYST:** K. SCHMECKPEPER

### 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-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

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-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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1032
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87

**ASSESSMENT ID:** EPD&C-5936

**NASA FMEA #:** 05-6-2016-2

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

**SUBSYSTEM:** EPD&C

**MDAC ID:** 5936

**ITEM:** RELAY, LATCHING TO AC BUS 1A

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** 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 [ X ]

INADEQUATE [ ]

**REMARKS:**

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

---

**REPORT DATE** 02/23/88  C-1033
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5937
NASA DATA:
BASELINE [ ]
NEW [ X ]

NASA FMEA #:
05-6-2016-2

SUBSYSTEM: EPD&C
MDAC ID: 5937
ITEM: RELAY, LATCHING TO AC BUS 1B

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

REPORT DATE 02/23/88  C-1034
APPENDIX C
ASSESSMENT WORKSHEET

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| SUBSYSTEM: EPD&C |
| ITEM: RELAY, LATCHING TO AC BUS 1B |

| LEAD ANALYST: K. SCHMECKPEPER |

ASSESSMENT:

| CRITICALLY REDUNDANCY SCREENS CIL |
| --- | --- | --- | --- | --- | --- |
| FLIGHT | HDW/FUNC | A | B | C | ITEM |
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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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5939
NASA FMEA #: 05-6-2016-1
SUBSYSTEM: EPD&C
MDAC ID: 5939
ITEM: RELAY, LATCHING TO AC BUS 1C
LEAD ANALYST: K. SCHMECKPEPER

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88         C-1036
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-5940
NASA FMEA #: 05-6-2016-2

SUBSYSTEM: EPD&C
MDAC ID: 5940
ITEM: RELAY, LATCHING TO AC BUS 1C

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: 6/06/87
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

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-1038
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM ID:
ITEM ID:

LEAD ANALYST:

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-1039
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5943
NASA FMEA #: 05-6-2264-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5943
ITEM: FUSE, 3A TO AC BUS 1 C

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-1040
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5944
NASA FMEA #: 05-6-2259-1

ASSESSMENT ID: EPD&C-5944
ITEM: FUSE, 3A TO AC VOLTOMETER

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-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 VOLTME
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-1042
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5946
NASA FMEA #: 05-6-2259-1

SUBSYSTEM: EPD&C
MDAC ID: 5946
ITEM: FUSE, 3A TO AC VOLTOMETER

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-1043
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5947
NASA FMEA #: 05-6-2347-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5947
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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-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:

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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-1045
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5949
NASA FMEA #: 05-6-2347-1

SUBSYSTEM: EPD&C
MDAC ID: 5949
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF1)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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

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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

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### CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

### REMARKS:

REPORT DATE 02/23/88 C-1048
APPENDIX C
ASSESSMENT WORKSHEET

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NASA FMEA #: 05-6-2352-1  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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
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REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5953
NASA FMEA #: 05-6-2352-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5953
ITEM: RESISTOR, 150K 1/2W (AC BUS 1 A VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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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-1050
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
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NASA FMEA #: 05-6-2352-1  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:

REPORT DATE 02/23/88  C-1051
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
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NASA FMEA #: 05-6-2352-1  NEW [ X ]

SUBSYSTEM: EPD&C  NASA DATA:
MDAC ID: 5955  BASELINE [ ]
ITEM: RESISTOR, 150K 1/2W (AC BUS 1 C VOLTAGE)  NEW [ X ]

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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REMARKS:

REPORT DATE 02/23/88  C-1052
# APPENDIX C

## ASSESSMENT WORKSHEET

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

ADEQUATE [ ]  
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**REMARKS:**

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**REPORT DATE:** 02/23/88  
**C-1053**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5957
NASA FMEA #: 05-6-2353-1

NASA DATA:
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NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

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

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

NASA DATA:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5958
ITEM: RESISTOR, 100K (AC BUS 1 C CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
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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:
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SUBSYSTEM: EPD&C
MDAC ID: 5959
ITEM: AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

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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:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5960
ITEM: SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)

LEAD ANALYST: K. SCHMECKPEPER

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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-1057
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-5961  
NASA FMEA #: 05-6-2232-1  

NASA DATA: 
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NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 5961  
ITEM: SWITCH, TOGGLE 3PDT (AC BUS 1 UTIL PWR)  

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-1058
## APPENDIX C
### ASSESSMENT WORKSHEET

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**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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
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NASA FMEA #: 05-6-2232-1
NASA DATA:
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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:
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NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5964
ITEM: CIRCUIT BREAKER, 3A 3-P

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.
APPENDIX C  
ASSESSMENT WORKSHEET

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NASA DATA:  
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SUBSYSTEM: EPD&C  
MDAC ID: 5965  
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

CADEQUATE [ ]
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
SUBSYSTEM: EPD&C
MDAC ID: 5966
ITEM: CIRCUIT BREAKER TO FMCA-I
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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:

CRITICALITY
FLIGHT
HDW/FUNC

REdundancy SCREENS
A  B  C

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

RECOMMENDATIONS: (If different from NASA)
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*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

SUBSYSTEM: EPD&C
MDAC ID: 5968
ITEM: CIRCUIT BREAKER TO MMCA-1
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1065
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5969
NASA FMEA #: 05-6-2613-2
NASA FMEA #: EPD&C-5969
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1066
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5970
NASA FMEA #: 05-6-2614-1
SUBSYSTEM: EPD&C
MDAC ID: 5970
ITEM: CIRCUIT BREAKER TO MMCA-3
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-1067
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5971
NASA FMEA #: 05-6-2614-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5971
ITEM: CIRCUIT BREAKER TO MMCA-3

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-5972
NASA FMEA #: 05-6-2612-1

SUBSYSTEM: EPD&C
MDAC ID: 5972
ITEM: CIRCUIT BREAKER TO AMCA-1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]

INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1069
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-5973  
**NASA FMEA #:** 05-6-2612-2  

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

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5974
NASA FMEA #: 05-6-2611-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5974
ITEM: CIRCUIT BREAKER AC 1A TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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" 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:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A   B   C

CIL 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:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87  NASA DATA:
ASSESSMENT ID: EPD&C-5976  BASELINE [ ]
NASA FMEA #: 05-6-2611-1  NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5977
NASA FMEA #: 05-6-2611-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5977
ITEM: CIRCUIT BREAKER AC 1B TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

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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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
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REMARKS:
IOA CONCURS WITH NASA'S SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5979
NASA FMEA #: 05-6-2611-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5979
ITEM: CIRCUIT BREAKER AC 1C TO RCS/OMS-1

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

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

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5980
NASA FMEA #: 05-6EB-2004-1

SUBSYSTEM: EPD&C
MDAC ID: 5980
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-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

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

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".

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
NASA DATA:
BASELINE [ ]
NEW [ X ]

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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* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
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

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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

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ 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
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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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1083
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-5987
NASA FMEA #: 05-6EB-2004-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 5987
ITEM: RELAY TO PLBD AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88 C-1084
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87  
NASA DATA: 
ASSESSMENT ID: EPD&C-5988  
BASELINE [ ]  
NASA FMEA #: 05-6-2751-1  
NEW [ X ]

SUBSYSTEM:  
MDAC ID: EPD&C  
ITEM: 5988  
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-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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* 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: EPD&C
MDAC ID: 5989
ITEM: RELAY, 4P TO PLEM-AC1
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
The "B" SCREEN PASSES BECAUSE THE GROUND CAN 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: 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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-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:
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 [ ]
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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-5992
NASA FMEA #: 05-6-2754-1
ASSESSMENT ID: EPD&C-5992
NASA FMEA #: 05-6-2754-1
SUBSYSTEM: MDAC
MDAC ID: 5992
ITEM: RELAY, 4P TO PLBM-AC1
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMKS:
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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]  
INADEQUATE [ ]

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITER THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.

REPORT DATE 02/23/88  C-1093
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5994
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-ACL
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-1095
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-5995
NASA FMEA #: 05-6-2754-3

SUBSYSTEM: EPD&C
MDAC ID: 5995
ITEM: RELAY, 4P TO PLBM-AC1

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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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: 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

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-1097
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5997
NASA FMEA #: 05-6-2245-2

ASSESSMENT ID: EPD&C
MDAC ID: 5997
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 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-5998
NASA FMEA #: 05-6-2245-1

SUBSYSTEM: EPD&C
MDAC ID: 5998
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 B)

LEAD ANALYST: K. SCHMECKPEPER

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

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

REPORT DATE 02/23/88 C-1099
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-5999
NASA FMEA #: 05-6-2245-2

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1100
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6000
NASA FMEA #: 05-6-2245-1

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88 C-1101
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6001
NASA FMEA #: 05-6-2245-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6001
ITEM: CIRCUIT BREAKER, 3A (AC CONT 2 C)

LEAD ANALYST: K. SCHMECKPEPER

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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-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  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6002  
**ITEM:** SWITCH, TOGGLE 3PDT (INVERTER PWR #2)  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

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

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

**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 ]

NASA FMEA #: 05-6-2215-2

SUBSYSTEM: EPD&C
MDAC ID: 6003
ITEM: SWITCH, TOGGLE 3PDT (INVERTER PWR #2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

REDUNDANCY SCREENS
A  B  C

CIL
ITEM

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

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6004
NASA FMEA #: 05-6-2488-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6004
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(AADD/DELETE)

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

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

REPORT DATE 02/23/88   C-1106
APPENDIX C
ASSSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6005
NASA FMEA #: 05-6-2488-1

SUBSYSTEM: EPD&C
MDAC ID: 6005
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(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
NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSESSMENT ID: EPD&C-6006
NASA FMEA #: 05-6-2489-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6006
ITEM: HYBRID DRIVER TYPE I (MN B TO INV 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* 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".

REPORT DATE 02/23/88 C-1108
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6007
NASA FMEA #: 05-6-2489-1

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

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

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "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)

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* 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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6009
NASA FMEA #: 05-6-2485-1
SUBSYSTEM: EPD&C
MDAC ID: 6009
ITEM: HYBRID DRIVER TYPE II (INV 2 A ON)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6009
ITEM: HYBRID DRIVER TYPE II (INV 2 A ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(1)".
### APPENDIX C
#### ASSESSMENT WORKSHEET

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**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6010  
**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 [ X ]  
INADEQUATE [ ]

**REMARKS:**

REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(2)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6011
NASA FMEA #: 05-6-2485-1

SUBSYSTEM: EPD&C
MDAC ID: 6011
ITEM: HYBRID DRIVER TYPE II (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(2)".

REPORT DATE 02/23/88 C-1113
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6012
NASA FMEA #: 05-6-2485-2
SUBSYSTEM: EPD&C
MDAC ID: 6012
ITEM: HYBRID DRIVER TYPE II (INV 2 C ON)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J2(3)". IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.

REPORT DATE 02/23/88 C-1114
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)". 
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6014
NASA FMEA #: 05-6-2486-2
SUBSYSTEM: EPD&C
MDAC ID: 6014
ITEM: HYBRID DRIVER TYPE III (INV 2 A ON)
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

ASSIGNMENT:

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(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 [ ]
INADEQUATE [ ]

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(1)".

REPORT DATE 02/23/88 C-1177
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6016
NASA FMEA #: 05-6-2486-2

SUBSYSTEM: EPD&C
MDAC ID: 6016
ITEM: HYBRID DRIVER TYPE III (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(2)".
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-6017  
NASA FMEA #: 05-6-2486-1

NASA DATA:
BASELINE [ ]  
NEW [ X ]

SUBSYSTEM: EPD&C  
MDAC ID: 6017  
ITEM: HYBRID DRIVER TYPE III (INV 2 B ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

REMARKS:

REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(2)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6018
NASA FMEA #: 05-6-2486-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6018
ITEM: HYBRID DRIVER TYPE III (INV 2 C ON)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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*CIL RETENTION RATIONALE: (If applicable)*

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS. REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(3)".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6019
NASA FMEA #: 05-6-2486-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 6019
ITEM: HYBRID DRIVER TYPE III (INV 2 C ON)
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR-J4(3)".
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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| IOA [3 /1R] | [ P ] | [ P ] | [ P ] | [ P ] | [ ] |
| 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-1122
APPENDIX C
ASSESSMENT WORKSHEET

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

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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
### 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-1124**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6023
NASA FMEA #: 05-6-2487-1

SUBSYSTEM: EPD&C
MDAC ID: 6023
ITEM: HYBRID DRIVER TYPE III (INV 2 B OFF)

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
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:
BASELINE [ ]
NEW [ X ]

EPD&C 6025
HYBRID DRIVER TYPE III (INV 2 C OFF)

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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  NASA DATA:
ASSESSMENT ID: EPD&C-6026  BASELINE [ ]
NASA FMEA #: NEW # UNKNOWN  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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1129
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6028
NASA FMEA #: 05-6-2297-1
NASA DATA: 
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6028
ITEM: FUSE, 3A TO AC BUS 2C OFF

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6029
NASA FMEA #: 05-6-2297-1
NASA ID: BASELINE [ ]
NASA DATA: NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6029
ITEM: FUSE, 3A TO AC BUS 2B 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:
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

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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]

INADEQUATE [ ]

**REMARKS:**

IOA CONCURS WITH NASA'S ANALYSIS AS IOA WAS UNDER THE IMPRESSION THAT THE INPUT RELAY TO THE AC INVERTERS WAS LATCHING, WHEN IN FACT, IT IS NOT.

REPORT DATE 02/23/88 C-1132
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6031
NASA FMEA #: 05-6-2297-1

SUBSYSTEM: EPD&C
MDAC ID: 6031
ITEM: FUSE, 3A TO AC BUS 2C ON

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

* 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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6032
ITEM: FUSE, 80A TO INV 2 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-1134
ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6033
NASA FMEA #: 05-6-2287-1
SUBSYSTEM: EPD&C
MDAC ID: 6033
ITEM: FUSE, 80A TO INV 2 B
LEAD ANALYST: K. SCHMECKPEPER

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-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

ASSESSMENT:

CRITICALITY
FLIGHT
HDW/FUNC

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

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

ADEQUATE [ ]
INADEQUATE [ ]

**REMARKS:**

**REPORT DATE 02/23/88**

C-1137
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6036
NASA FMEA #: 05-6-2346-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
SUBSYSTEM: EPD&C
MDAC ID: 6036
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)
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REMARKS:
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

SUBSYSTEM: EPD&C
MDAC ID: 6038
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-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
NASA DATA:
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  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6040
ITEM: DIODE, ISOLATION

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88
C-1142
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6041
NASA FMEA #: 05-6-2199-1
SUBSYSTEM: EPD&C
MDAC ID: 6041
ITEM: DIODE, ISOLATION
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

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
ASSESSMENT ID: EPD&C
MDAC ID: 6044
ITEM: DIODE TO INV 2 A
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

| CRITICALITY | REDUNDANCY SCREENS | CIL |
| FLIGHT HDW/FUNC | A | B | C |
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| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ / ] | [ ] | [ ] | [ ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-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

**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-1148
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6047
NASA FMEA #: 05-6-2200-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6051
NASA FMEA #: 05-6-2390-1
SUBSYSTEM: EPD&C
MDAC ID: 6051
ITEM: RPC, 7.5A TO INV 2 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-1153
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6052
ITEM: RPC, 7.5A TO INV 2 B

LEAD ANALYST: K. SCHMECKPEPER

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

SUBSYSTEM: EPD&C
MDAC ID: 6054
ITEM: RPC, 7.5A TO INV 2 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1156
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6055
NASA FMEA #: 05-6-2390-1
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 [ ]
INADEQUATE [ ]

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)

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REMARKS:
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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

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

ASSESSMENT DATE: 6/04/87
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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* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1160
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6059
NASA FMEA #: 05-6-2139-2
SUBSYSTEM: MDAC
MDAC ID: EPD&C
ITEM: 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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6060
NASA FMEA #: 05-6-2139-1

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
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:
### 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

**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-1166**
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6065
ITEM: INVERTER 2 A

LEAD ANALYST: K. SCHMECKPEPER

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(ADD/DELETE)

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

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

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-6065A
NASA FMEA #: 05-6-2015-5

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6065
ITEM: INVERTER 2 A

LEAD ANALYST: K. SCHMECKPEPER

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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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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-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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RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1170
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/87
ASSESSMENT ID: EPD&C-6068
NASA FMEA #: 05-6-2015-3
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6068
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

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

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

REPORT DATE 02/23/88 C-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

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.

REPORT DATE 02/23/88   C-1172
APPENDIX C

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-6069A
NASA FMEA #: 05-6-2015-5
SUBSYSTEM: EPD&C
MDAC ID: 6069
ITEM: INVERTER 2 B
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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

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

REMARKS:

REPORT DATE 02/23/88 C-1173
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87  
ASSESSMENT ID: EPD&C-6070  
NASA FMEA #: 05-6-2015-1  

NASA DATA:  
BASELINE [ ]  
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 [ ]  
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REMARKS:  

REPORT DATE 02/23/88  
C-1174
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6071
NASA FMEA #: 05-6-2015-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6071
ITEM: INVERTER 2 C

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
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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* 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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

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

ASSESSMENT DATE: 12/05/87
ASSESSMENT ID: EPD&C-6073A
NASA FMEA #: 05-6-2015-5

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1178
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6074
NASA FMEA #: 05-6-2475-1

SUBSYSTEM: EPD&C
MDAC ID: 6074
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 ON)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1179
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6075
NASA FMEA #: 05-6-2475-2

SUBSYSTEM: EPD&C
MDAC ID: 6075
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 ON)

ASSESSMENT:

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 BECAUSE IOA THOUGHT THE INVERTER INPUT POWER WAS SUPPLIED THROUGH A LATCHING RELAY AND THE RELAY DOES NOT LATCH.

REPORT DATE 02/23/88 C-1180
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6076
NASA FMEA #: 05-6-2474-1

SUBSYSTEM: EPD&C
MDAC ID: 6076
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 OFF)

LEAD ANALYST: K. SCHMECKPEPER

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 "82V76A17AR(III)J1-109".

REPORT DATE 02/23/88 C-1181
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6077
NASA FMEA #: 05-6-2474-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6077
ITEM: HYBRID DRIVER TYPE III (AC BUS 2 OFF)

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:
REFERENCE DESIGNATOR SHOULD READ "82V76A17AR(III)J1-109".
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-6078
NASA FMEA #: 05-6-2297-1
SUBSYSTEM: EPD&C
MDAC ID: 6078
ITEM: FUSE, 3A TO AC BUS 2B ON
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'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-6079
NASA FMEA #: 05-6-2297-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6079
ITEM: FUSE, 3A TO AC BUS 2A ON

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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NASA [ 3 /1R ]
IOA [ 3 /3 ]
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 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:

| CRITICALLY | REDUNDANCY SCREENS | CIL |
| FLIGHT | HDW/FUNC | A | B | C | ITEM |
| NASA | [ 3 /1R ] | [ P ] | [ NA ] | [ P ] |
| IOA | [ 3 /1R ] | [ P ] | [ P ] | [ P ] |
| COMPARE | [ / ] | [ ] | [ N ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "ON" POSITION, "ON" CONTACT SHORTS TO GROUND. IOA CONCURS WITH NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
ASSESSMENT ID: EPD&C-6081
NASA FMEA #: 05-6-2216-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6081
ITEM: SWITCH, TOGGLE 3PDT (INV/AC BUS 2)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(REMOVE/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.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6082
NASA FMEA #: 05-6-2265-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6082
ITEM: CIRCUIT BREAKER, 3A TO AC2 BUS SENSOR

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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

* 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

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

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FAILURE MODE CHANGED TO FAILS OPEN OR SHORTS TO GROUND - IOA CONCURS WITH NASA REEVALUATION.

REPORT DATE 02/23/88 C-1189
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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

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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.

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

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-1192
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
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. SCHMECKPEPER

ASSESSMENT:

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

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

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

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

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

REPORT DATE 02/23/88 C-1193
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6088
NASA FMEA #: 05-6-2195-2

SUBSYSTEM: EPD&C
MDAC ID: 6088
ITEM: DIODE, BLOCKING 1A (TO 2 B SET)

LEAD ANALYST: K. SCHMECKPEPER

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 DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6089
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6089
ITEM: DIODE, BLOCKING 1A (TO 2 B SET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)
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* 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

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: 6/04/87
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

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 DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS.

REPORT DATE 02/23/88  C-1197
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:

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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.

REPORT DATE 02/23/88  C-1198
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6093
NASA FMEA #: 05-6-2195-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6093
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* 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

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-1200
# APPENDIX C
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 6/04/87

**ASSESSMENT ID:** EPD&C-6095

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

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6095

**ITEM:** DIODE, BLOCKING 1A (TO 2 B RESET)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:** 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:**

IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

**REPORT DATE 02/23/88 C-1201**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6096
NASA FMEA #: 05-6-2195-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6096
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:
IOA CONCURS WITH NASA DUE TO CONCERNS OF INADVERTENTLY POWERING THE PREFLIGHT TEST BUS. IOA CONCURS WITH NASA'S SCREENS.

REPORT DATE 02/23/88 C-1202
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6097
NASA FMEA #: 05-6-2195-1

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: EPD&C
MDAC ID: 6097
ITEM: DIODE, BLOCKING 1A (TO 2 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:

REPORT DATE 02/23/88 C-1203
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6098
NASA FMEA #: 05-6-2204-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6098
ITEM: DIODE, BLOCKING 1A (TO 2 C RESET)

LEAD ANALYST: K. SCHMECKPEPER

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.

REPORT DATE 02/23/88 C-1204
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6099
NASA FMEA #: 05-6-2204-2

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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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1206
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/19/87
ASSESSMENT ID: EPD&C-6101
NASA FMEA #: 05-6-2204-1

SUBSYSTEM: EPD&C
MDAC ID: 6101
ITEM: DIODE, BLOCKING 1A (TO 2 B RESET)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S ANALYSIS DUE TO CONCERNS ABOUT AC INVERTER OVERVOLTAGE CONDITIONS.
### 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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**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-6103
NASA FMEA #: 05-6-2204-2
SUBSYSTEM: EPD&C
MDAC ID: 6103
ITEM: DIODE, BLOCKING 1A (TO 2 A RESET)
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

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
ASSESSMENT ID: EPD&C-6105
NASA FMEA #: 05-6-2264-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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 [ ]
INADEQUATE [ ]

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

REPORT DATE 02/23/88 C-1211
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6106
NASA FMEA #: 05-6-2264-1

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

LEAD ANALYST: K. SCHMECKPEPER

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-1212
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6107
NASA FMEA #: 05-6-2259-1

SUBSYSTEM: MDAC
MDAC ID: 6107
ITEM: FUSE, 3A TO AC VOLTMETER

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS:  (If different from NASA)
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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. SCHMECKPPEPER

**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-1214
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6109
NASA FMEA #: 05-6-2259-1
DATE: 6/06/87
ASSESSMENT ID: EPD&C-6109
NASA FMEA #: 05-6-2259-1

SUBSYSTEM: EPD&C
MDAC ID: 6109
ITEM: FUSE, 3A TO AC VOLTMETER
LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:
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

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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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* 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-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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6114
ITEM: RELAY, LATCHING TO AC BUS 2C

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1220
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/04/87
ASSESSMENT ID: EPD&C-6115
NASA FMEA #: 05-6-2016-2

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6116
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6116
ITEM: RESISTOR, 5.1K 1/4W (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-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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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-1223
APPENDIX C
ASSESSMENT WORKSHEET

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6118
ITEM: RESISTOR, 5.1K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

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

REMARKS:

REPORT DATE 02/23/88 C-1224
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6119
NASA FMEA #: 05-6-2347-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6119
ITEM: RESISTOR, 5.1K 1/4W (TO MDM 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-1225
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6120
NASA FMEA #: 05-6-2347-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

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

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6123
ITEM: RESISTOR, 1.8K 1/4W (TO MDM OF2)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| FLIGHT | A | B | C | ITEM |
| HDW/FUNC | | | | |
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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-1229
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6124
NASA FMEA #: 05-6-2349-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6124
ITEM: RESISTOR, 2.2K 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-6125
NASA FMEA #: 05-6-2353-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6125
ITEM: RESISTOR, 100K (AC BUS 2 A CURRENT)

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

REPORT DATE 02/23/88  C-1231
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**ASSESSMENT ID:** EPD&C-6126  
**NASA FMEA #:** 05-6-2353-1

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

ADEQUATE [ ]
INADEQUATE [ ]

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

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1233
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6128
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6128
ITEM: RESISTOR, 150K 1/2W (AC BUS 2 A VOLTAGE)

LEAD ANALYST: K. SCHMECKPEPER

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-1234
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6129
NASA FMEA #: 05-6-2352-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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-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

**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-1236
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6131
NASA FMEA #: 05-6-2352-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

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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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

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

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6132
NASA FMEA #: 05-6-2352-1
SUBSYSTEM: EPD&C
MDAC ID: 6132
ITEM: RESISTOR, 4.3K 1/8W (AC BUS 2 B VOLTAGE)
LEAD ANALYST: K. SCHMECKPEPER

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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-1238
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6133
NASA FMEA #: 05-6-2352-1
NASA DATA:
BASELINE [ ]
NEW [ X ]
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 [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1239
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6134
NASA FMEA #: 05-6-2361-1

SUBSYSTEM: EPD&C
MDAC ID: 6134
ITEM: AC OVER/UNDER VOLT SNSR 2
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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IOA [ 3/1R ] [ P ] [ P ] [ P ] [ ]
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RECOMMENDATIONS: (If different from NASA)

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

REMARKS:

REPORT DATE 02/23/88  C-1240
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87       NASA DATA:
ASSESSMENT ID: EPD&C-6135       BASELINE [ ]
NASA FMEA #: 05-6-2361-2         NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:

IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C  
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  
ASSESSMENT ID: EPD&C-6136  
NASA FMEA #: 05-6-2298-2  

NASA DATA:  
BASELINE [ ]  
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER  

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6137
NASA FMEA #: 05-6-2298-1

SUBSYSTEM: EPD&C
MDAC ID: 6137
ITEM: CIRCUIT BREAKER, 3A 3-P

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)
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REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6138
NASA FMEA #: 05-6-2611-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6138
ITEM: CIRCUIT BREAKER AC 2A TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88  C-1244
# APPENDIX C
## ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/07/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-6139  
**NASA FMEA #:** 05-6-2611-1  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6139  
**ITEM:** CIRCUIT BREAKER AC 2A TO RCS/OMS-2  
**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 SCREEN "B" AND THE ASSUMPTION THAT A "POPPED" CIRCUIT BREAKER IS NOT READILY DETECTABLE.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6140
NASA FMEA #: 05-6-2611-2
SUBSYSTEM: EPD&C
MDAC ID: 6140
ITEM: CIRCUIT BREAKER AC 2B TO RCS/OMS-2
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6141
NASA FMEA #: 05-6-2611-1
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6141
ITEM: CIRCUIT BREAKER AC 2B TO RCS/OMS-2

LEAD ANALYST: K. SCHMECKPEPER

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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-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

SUBSYSTEM: EPD&C
MDAC ID: 6143
ITEM: CIRCUIT BREAKER AC 2C 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.

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

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6144
NASA FMEA #: 05-6-2618-1

SUBSYSTEM: EPD&C
MDAC ID: 6144
ITEM: CIRCUIT BREAKER TO FMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1250
### APPENDIX C

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 6/06/87  
**NASA DATA:**  
**ASSESSMENT ID:** EPD&C-6145  
**NASA FMEA #:** 05-6-2618-2  
**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6145  
**ITEM:** CIRCUIT BREAKER TO FMCA-2  
**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-6146
NASA FMEA #: 05-6-2616-2

SUBSYSTEM: EPD&C
MDAC ID: 6146
ITEM: CIRCUIT BREAKER TO MMCA-1

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-6147  
**NASA FMEA #:** 05-6-2616-1  

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

#### 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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(ADD/DELETE)

* **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)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1254
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
NASA DATA:
ASSESSMENT ID: EPD&C-6149
NASA FMEA #: 05-6-2613-2
SUBSYSTEM: EPD&C
NASA FMEA #: 05-6-2613-2
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 ]
INADEQUATE [ ]

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AS IOA WAS UNAWARE OF "PSYCHOTIC GPC" CONCERNS.

REPORT DATE 02/23/88 C-1255
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6150
NASA FMEA #: 05-6-2615-2

SUBSYSTEM: EPD&C
MDAC ID: 6150
ITEM: CIRCUIT BREAKER TO MMCA-3

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* 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

SUBSYSTEM: EPD&C
MDAC ID: 6151
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 [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87  NASA DATA:
ASSESSMENT ID: EPD&C-6152  BASELINE [ ]
NASA FMEA #: 05-6-2613-1  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6152
ITEM: CIRCUIT BREAKER TO MMCA-4

LEAD ANALYST: K. SCHMECKPEPER

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* 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.
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:

REPORT DATE 02/23/88 C-1260
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/87
ASSESSMENT ID: EPD&C-6155
NASA FMEA #: 05-6-2612-1

SUBSYSTEM: EPD&C
MDAC ID: 6155
ITEM: CIRCUIT BREAKER TO AMCA-2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6156
NASA FMEA #: 05-6-2755-1
NASA FMEA #: EPD&C
MDAC ID: 6156
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6156A
NASA FMEA #: 05-6-2755-2

SUBSYSTEM: EPD&C
MDAC ID: 6156
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* 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

SUBSYSTEM: EPD&C
MDAC ID: 6157
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
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REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
APPENDICX 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

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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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**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-6159A
NASA FMEA #: 05-6-2755-2
SUBSYSTEM: EPD&C
MDAC ID: 6159
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6160
NASA FMEA #: 05-6EB-2004-1
SUBSYSTEM: EPD&C
MDAC ID: 6160
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

REPORT DATE 02/23/88 C-1268
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6161
NASA FMEA #: 05-6EB-2004-2
SUBSYSTEM: EPD&C
ITEM: RELAY TO PLBD AC2
LEAD ANALYST: K. SCHMECKPEPER

NASA DATA:
BASELINE [ ]
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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-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

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-1270
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6163
NASA FMEA #: 05-6EB-2004-1

SUBSYSTEM: EPD&C
MDAC ID: 6163
ITEM: RELAY TO PLBD AC2

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-1271
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6164
NASA FMEA #: 05-6-2752-1
SUBSYSTEM: EPD&C
MDAC ID: 6164
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

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

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

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS
FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS
WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1272
### APPENDIX C

#### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/09/87
**ASSESSMENT ID:** EPD&C-6164A
**NASA FMEA #:** 05-6-2752-2

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

**LEAD ANALYST:** K. SCHMECKPEPER

**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 [X]

INADEQUATE [ ]

**REMARKS:**

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**REPORT DATE 02/23/88**

C-1273
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6165
NASA FMEA #: 05-6-2752-3

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6165
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR THE RELAY STATE WITH THE MCA OPERATIONAL STATUS MEASUREMENT.
**APPENDIX C**

**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/09/87

**ASSESSMENT ID:** EPD&C-6166

**NASA FMEA #:** 05-6-2752-3

**SUBSYSTEM:** EPD&C

**MDAC ID:** 6166

**ITEM:** RELAY, 4P TO PLBM-AC2

**LEAD ANALYST:** K. SCHMECKPEPER

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

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

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

SUBSYSTEM: EPD&C
MDAC ID: 6167
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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| IOA         | 2 /1R | P  | F  | P  | X  | 
| COMPARE     | /  |    | N  |    |    |   |

RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:
NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-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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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-1277
**APPENDIX C**  
**ASSESSMENT WORKSHEET**

**ASSESSMENT DATE:** 12/07/87  
**ASSESSMENT ID:** EPD&C-6168  
**NASA FMEA #:** 05-6EB-2004-1  
**NASA DATA:**  
- **BASELINE** [ ]  
- **NEW** [ X ]

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6168  
**ITEM:** RELAY TO PLBD AC2  
**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

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(ADD/DELETE)

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

ADEQUATE [ ]  
INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6169
NASA FMEA #: 05-6EB-2004-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6169
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-1279
APPENDIX C  
ASSSESSMENT 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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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

IOA CONCURS WITH NASA'S SCREEN "B".  

REPORT DATE 02/23/88 C-1280
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
ASSESSMENT ID: EPD&C-6171
NASA FMEA #: 05-6EB-2004-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(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
NASA DATA:
ASSESSMENT ID: EPD&C-6172A
NASA FMEA #: 05-6-2756-2
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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* 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: EPD&C
MDAC ID: 6173
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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| IOA  | [ 3/1R ] | [ P ] | [ F ] | [ P ] | [ X ] |
| COMPARE | [ / ] | [ ] | [ N ] | [ ] | [ N ] |

RECOMMENDATIONS: (If different from NASA)

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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

| ADEQUATE | [ ] |
| INADEQUATE | [ ] |

REMARKS:
THE "B" SCREEN PASSES BECAUSE THE GROUND CAN MONITOR 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  NASA DATA:
ASSESSMENT ID: EPD&C-6174  BASELINE [ ]
NASA FMEA #: 05-6-2756-3  NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6174
ITEM: RELAY, 4P TO PLBM-AC2
LEAD ANALYST: K. SCHMECKPEPER

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RECOMMENDATIONS: (If different from NASA)

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(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-6175
NASA FMEA #: 05-6-2756-1

SUBSYSTEM: EPD&C
MDAC ID: 6175
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

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| IOA [ 2 /1R ]  | [ P ] | [ F ] | [ P ] | [ X ] |

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

RECOMMENDATIONS: (If different from NASA)

[ ] [ ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ X ]
INADEQUATE [ ]

REMARKS:

NASA HAS ADDED THE FAILURE MODE "COIL SHORT TO GROUND" TO THIS FMEA. RELAY STATUS CAN BE DETECTED VIA TELEMETRY. IOA CONCURS WITH THE NASA REEVALUATION.

REPORT DATE 02/23/88 C-1286
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/09/87
ASSESSMENT ID: EPD&C-6175A
NASA FMEA #: 05-6-2756-2
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6175
ITEM: RELAY, 4P TO PLBM-AC2

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

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

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

(COMPARE/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
NASA DATA:
ASSESSMENT ID: EPD&C-6177
NASA FMEA #: 05-6-2245-2
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)

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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-1289
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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| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ /N ] | [ N ] | [ N ] | [ N ] | [ ] |

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

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

REMARKS:
IOA CONCURS WITH NASA'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
NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6179
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 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-1291
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/01/88
ASSESSMENT ID: EPD&C-6180
NASA FMEA #: 05-6-2245-1

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6180
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 C)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

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

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

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
SUBSYSTEM: EPD&C
MDAC ID: 6181
ITEM: CIRCUIT BREAKER, 3A (AC CONT 3 C)
LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

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

REMARKS:
IOA CONCURS WITH NASA'S REEVALUATION AFTER FURTHER ANALYSIS.
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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IOA [ 3 /1R ] [ P ] [ P ] [ P ] [ ]
COMPARE [ / ] [ ] [ N ] [ ] [ ] [ ]

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

(ADD/DELETE)

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

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS CLOSED IN "OFF" POSITION. IOA CONCURS WITH NASA'S REEVALUATION.

REPORT DATE 02/23/88   C-1294
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87  NASA DATA:
ASSESSMENT ID: EPD&C-6183  BASELINE [ ]
NASA FMEA #: 05-6-2215-1  NEW [ X ]

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

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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RECOMMENDATIONS: (If different from NASA)

[ / ] [ ] [ ] [ ] [ ]

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA HAS REDEFINED THIS FAILURE MODE AS: FAILS OPEN. IOA CONCURS WITH NASA'S REEVALUATION.

REPORT DATE 02/23/88  C-1295
## APPENDIX C
### ASSESSMENT WORKSHEET

**ASSESSMENT DATE:** 12/18/87  
**ASSESSMENT ID:** EPD&C-6183A  
**NASA FMEA #:** 05-6-2215-3

**NASA DATA:**

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

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

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

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

(ADD/DELETE)

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

  - ADEQUATE [ ]
  - INADEQUATE [ ]

**REMARKS:**
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87  NASA DATA:
ASSESSMENT ID: EPD&C-6184  BASELINE [ ]
NASA FMEA #: 05-6-2488-2  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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| IOA [ 3 /3 ] | [ ] | [ ] | [ ] | [ ] | [ ] |
| COMPARE [ /N ] | [ N ] | [ N ] | [ N ] | [ ] | [ ] |

RECOMMENDATIONS: (If different from NASA)

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

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

REMARKS:
IOA CONCURS WITH NASA'S REE E VALUATION 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)

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(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  
**NASA DATA:**

**ASSESSMENT ID:** EPD&C-6186  
**NASA FMEA #:** 05-6-2489-1

**SUBSYSTEM:** EPD&C  
**MDAC ID:** 6186  
**ITEM:** HYBRID DRIVER TYPE I (MN C TO INV 3 OFF)

**LEAD ANALYST:** K. SCHMECKPEPER

**ASSESSMENT:**

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

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

**REMARKS:**

REFERENCE DESIGNATOR SHOULD READ "83V76A18AR(I)J1-2".

**REPORT DATE** 02/23/88  
C-1299
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/13/87
ASSESSMENT ID: EPD&C-6187
NASA FMEA #: 05-6-2489-2

NASA DATA:
BASELINE [ ]
NEW [ X ]

SUBSYSTEM: EPD&C
MDAC ID: 6187
ITEM: HYBRID DRIVER TYPE I (MN C TO INV 3 OFF)

LEAD ANALYST: K. SCHMECKPEPER

ASSESSMENT:

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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 "83V76A18AR(I)J1-2".