

## 2.0 DOCUMENTS

### 2.1 APPLICABLE DOCUMENTS

The following documents of the exact issue shown form a part of this document to the extent specified herein. In the event of conflict between the documents referenced and the content of this document the contents of this document shall be considered a superseding requirement. Documents invoked herein shall be cross-referenced to the appropriate paragraphs, tables and/or figures of this ICD.

Federal

Military

MIL-B-5087B  
August 31, 1970

Bonding, Electrical and Lightning  
Protection for Aerospace Systems  
(Ref. Para. 10.7.4.2, 10.7.4.2.1,  
10.7.4.2.3.5, and Fig 3.0.2.1.1-1,  
3.0.2.1.1-2)

MIL-C-5541  
Amendment 2  
November 30, 1972

Chemical Conversion Coatings on Aluminum  
and Aluminum Alloys  
(Ref. Para. 10.7.4.2)

MIL-W-5088H  
July 20, 1979

Wiring Aerospace Vehicle  
(Ref. Para. 3.3.2.2.1, 3.0.2.1.2.1)

NASA (National Aeronautics and Space Administration)

ES3-76-1  
July 1983

Orbiter Midsection/Payload Bay Thermal  
Math Model Description  
(Ref. Para. 6.1.2.1)

ES3-77-3  
September 1983

"390 Node" Atmospheric Orbiter Mid-section/  
Payload Bay Thermal Math Model Description  
(Ref. Para. 6.1.2.1)

JSC 08220  
Date TBD

Space Shuttle Master Measurement List  
(Ref. Table 8.2.1.1-1)

JSC-19540  
March 1984

Open Door Simplified Orbiter Thermal  
Simulator Description  
(Ref. Para. 6.1.2.1, 6.1.4.3)

JSC-19692  
May 1984

Closed Door Simplified Orbiter Thermal  
Simulator Description  
(Ref. Para. 6.1.2.1)

NSTS-08060 Rev. D  
January 28, 1983

Space Shuttle System Pyrotechnic  
Specification  
(Ref. Para. 10.7.4.1.2.1.3)

NSTS 14046 Rev. B

Payload Verification Requirements

|   |  |
|---|--|
| March 1989  | (Ref. Para. 4.3.1)   |
| NSTS 1700.7B<br>December 1980                           | Safety Policy and Requirements for Payloads<br>using the Space Transportation System (STS)<br>(Ref. Para. 10.7.4.1.2.1.3, 11.1.1)  |
| NSTS-18798 Rev. A<br>April 1, 1989                      | Interpretations of NSTS Payload<br>Safety Requirements<br>(Ref. Para. 7.3.1.4)   |
| SN-C-0005<br>(Current Issue)                            | National Space Transportation System Specification,<br>Contamination Control Requirements<br>(Ref. Para. 10.6.2.4, 10.6.2.1.1,)    |
| SP-R-0022 Rev. A<br>September 1974                      | Vacuum Stability Requirements of Polymeric<br>Material for Spacecraft Applications,<br>Specifications for<br>(Ref. Para. 10.6.2.2) |
| 40M38277<br>December 15, 1973                           | Connectors, Electrical, Circular<br>Miniature High Density Environment<br>Resisting, Specifications for<br>(Ref. Para. 13.2.2)     |
| 40M38298<br>(Current Issue)                             | Specification, Connector, Electrical,<br>Special Miniature Circular<br>Environment Resisting 200RC<br>(Ref. Para. 13.2.2)          |
| 40M39569<br>December 15, 1973                           | Connectors, Electrical Miniature Circular,<br>Environment Resisting 200RC,<br>Specification for<br>(Ref. Para. 13.2.2)             |
| Rockwell International<br>MC414-0614<br>(Current Issue) | Specification, Connector RF,<br>SMA Series<br>Ref. Para. 13.2.2  |
| ME414-0234<br>(Current Issue)                           | Specification, Connector, Receptacle,<br>Electric Wall Mounting<br>(Ref. Para. 13.2.2)   |
| ME414-0235<br>(Current Issue)                           | Specification, Connector, Plug,<br>Electric Straight<br>(Ref. Para. 13.2.2)  |
| ME414-0247<br>(Current Issue)                           | Specification, Connector, TNC<br>Bulkhead Cable Jack<br>(Ref. Para. 13.2.2)  |
| ME414-0250<br>(Current Issue)                           | Specification, Connector, TNC<br>Cable Plug<br>(Ref. Para. 13.2.2)   |

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|--|---|
| ME414-0610<br>(Current Issue)                | Specification, Cable Adapter,<br>Connector Plug, Electric<br>(Ref. Para. 13.2.2)  |
| ME414-0611<br>(Current Issue)                | Specification, Connector, Hermetic<br>Jam Nut, Electric<br>(Ref. Para. 13.2.2)  |
| ME414-0612<br>(Current Issue)                | Specification, Connector, Hermetic<br>Flange Mount, Electric<br>(Ref. Para. 13.2.2)   |
| ME418-0031<br>(Current Issue)                | Specification, Contact, Socket<br>Crimp, Clip Retained<br>(Ref. Para. 13.2.2)   |
| ME418-0032<br>(Current Issue)                | Specification, Contact, Pin Crimp,<br>Clip Retained<br>(Ref. Para. 13.2.2)  |
| MP572-0328-0002<br>August 1979               | Cable, Electrical, Special Purpose, TFE Insul.,<br>2 Cond., Shielded and Jacketed<br>(Ref. Table 8.2.1.3.1-1, 8.2.10.1.3-1, 8.2.5.1-1,<br>8.2.10.1.3-1) |
| SD73-SH-0226<br>Vol. 1E Book V<br>Sept. 1985 | Space Shuttle Program Thermodynamic Design<br>Data Book Thermal Control System Constraints<br>(Ref. Table 6.1.1.2.1-1)                                  |
| IRD-21358<br>Current Issue                   | Installation Requirement Document<br>(Ref. 3.0.2.1.2.1)   |

## 2.2 PAYLOAD UNIQUE/APPLICABLE DOCUMENTS

The following documents form a part of this ICD to the extent specified herein. In the event of conflict between this ICD and any other documents invoked herein, the contents of this ICD shall govern.

|                              |  |
|------------------------------|--|
| STS81-0641F<br>July 1988     | STS Dynamic Math Models (M6.0ZA) For<br>Payload Load Analysis (Ref. Para. 4.0.1.1)           |
| STS88-0609<br>April 1988     | Liftoff Forcing Functions (LR2000 Series)<br>For Payload Loads Analysis (Ref. Para. 4.0.1.1) |
| STS86-0020A<br>February 1988 | Landing Forcing Functions 7000 Series Data Base<br>(Ref. Para. 4.0.1.1)                      |
| SAI-TM-794                   | Mightysat 1 Stress Analysis and Structural Model<br>(Ref. Para. 4.0.1.2)                     |
| SAI-RPT-0140                 | Hitchhiker MightySat; SAC-A; AMTEC/AWCS RTM Report<br>(Ref. Para. 6.0.1.1)                   |

## 2.3 REFERENCE DOCUMENTS

|                      |  |
|----------------------|--|
| NSTS 21358<br>(Date) | Payload Integration Plan,<br>MightySat |
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|                                       |   |
|---------------------------------------|---|
|                                       | (Ref. Para. 1.5.1)  |
| NSTS 21372<br>(Date)                  | Payload Integration Plan,<br>SAC-A<br>(Ref. Para. 1.5.1)  |
| NSTS 07700, Vol IV<br>(Current Issue) | Mission Integration Control Board<br>Configuration Management Procedures<br>(Appendix H) (Ref. Para. 1.4) |
| VS72-270122                           | Cargo Element Avionics Control Schematic<br>(Ref. Para. 1.5.4)  |
| STS89-0770<br>(Current Issue)         | APC Generic Payload Allowable Weights<br>(Ref. Para. 4.0.4.2.6.2)   |
| STS89-390<br>(Current Issue)          | ICAPC Generic Payload Allowable Weights<br>(Ref. Para. 4.0.4.2.6.3)                                       |
| ICD-A-21202                           | Shuttle Orbiter/GET-AWAY SPECIAL 13.<br>(Ref. Figure 3.0.1.3-1)   |

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