



*Mars Atmosphere and Volatile Evolution
(MAVEN) Mission*

*Applicable/Reference Documents List
For Risk Reduction Phase and Phase B*

*March 27, 2009
Revision 1*



MAVEN Applicable and Reference Documents List

<u>DOCUMENT</u>	<u>DOCUMENT TITLE</u>
AFSCM 91-710	Range Safety Users Requirements Manual
ANSI/ASQC Q9000-3	Quality Management and Quality Assurance Standards – Part 3: Guidelines for the Application of ISO 9001 to the Development, Supply and Maintenance of Computer Software
ANSI/ESD S20.20	ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies, and Equipment (Excluding Electrically Initiated Explosive Devices)
ANSI-IEEE STD 828	IEEE Standard for Software Configuration Management Plans
ANSI-IEEE STD 1042	Guide to Software Configuration Management
ANSI/ISO/ASQ Q9001:2000	Quality Management Systems - Requirements
ANSI/ISO/IEC 17025:2000	General Requirements for the Competence of Testing and Calibration Laboratories
ANSI/NCSL Z540.1-1994	Calibration Laboratories and Measuring and Test Equipment – General Requirements (R2002)
ASTM E-595	Standard Test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in a Vacuum Environment
CCSDS 133.0-B-1	CCSDS, Space Packet Protocol, Blue Book September 2003
CCSDS 732.0-B-1	CCSDS, Advanced Orbiting Space Data Link Protocol, Blue Book September 2003
CCSDS 132.0-B-1	CCSDS, TM Space Data Link Protocol, Blue Book, September 2003
CCSDS 131.0-B-1	CCSDS, TM Synchronization and Channel Coding, , Blue Book September 2003
CCSDS 301.0-B-3	CCSDS, Time Code Formats, Blue Book, January 2002
CCSDS 232.0-B-1	CCSDS, TC Space Data Link Protocol, Blue Book, September 2003

CCSDS 232.1-B-1	CCSDS, Communications Operations Procedure-1, Blue Book, September 2003
CCSDS 231.0-B-1	CCSDS, TC Synchronization and Channel Coding, Blue Book, September 2003
CCSDS 727.0-B-3	CCSDS File Delivery Protocol (CFDP), Recommendation for Space Data System Standards, Blue Book, June 2005
CCSDS 720.2-G-1	CCSDS File Delivery Protocol—Part 1: Introduction and Overview. Report Concerning Space Data Systems Standards, Green Book, September 2003
CCSDS 720.2-G-2	CCSDS File Delivery Protocol—Part 2: Implementers Guide. Report Concerning Space Data Systems Standards, Green Book, September 2003
CR 5320.9	Payload and Experiment Failure Mode Effects Analysis and Critical Items List Ground Rules
FAP P-302-720	Performing a Failure Mode Effects Analysis
GIDEP S0300-BT-PRO-010	GIDEP Operations Manual
GIDEP S0300-BU-GYD-010	Government-Industry Data Exchange Program Requirements Guide
GP-1098	KSC Ground Operations Safety Plan, Volume 1
GPR 1060.2	Management Review and Reporting for Programs and Projects
GPR 7120.4	Risk Management
GPR 8621.3	Mishap, Incident, Hazard, and Close Call Investigation
GPR 8700.4	Integrated Independent Reviews
GPR 8700.6	Engineering Peer Reviews
GSFC EEE-INST-002	Instructions for EEE Parts Selection, Screening, and Qualification and Derating
GFSC-STD-1000	Rules for Design, Development, Verification, and Operation of Flight Systems
GSFC-STD-7000	General Environmental Verification Standards (GEVS) for Flight Programs and Projects
GSFC S-311-M-70	Destructive Physical Analysis

IEEE 1413.1	Guide for Selecting and Using Reliability Predictions Based on IEEE 1413
IEEE STD 730	IEEE Standard for Software Quality Assurance Plans
IEEE STD 1058	Software Project Management Plans
IPC A-600	Acceptability of Printed Boards
IPC-A-610	Acceptability of Electronic Assemblies
IPC/EIA J-STD-001	Requirements for Soldered Electrical and Electronic Assemblies
IPC-2221	Generic Standard on Printed Board Design
IPC-2222	Sectional Design Standard for Rigid Organic Printed Boards
IPC-2223	Sectional Design Standard for Flexible Printed Boards
IPC-6011	Generic Performance Specifications for Printed Boards
IPC-6012	Qualification and Performance Specification for Rigid Printed Boards
IPC-6013	Qualification and Performance Specification for Flexible Printed Boards
IPC-6018	Microwave End Product Board Inspection and Test
ISO 10013	Guidelines for Quality Management System
KHB 1860.1	KSC Ionizing Radiation Protection Program
KHB 1860.2	KSC Non-Ionizing Radiation Protection Program
KNPR 1710.2	Kennedy Space Center Safety Practices Procedure Requirements
KNPR 8715.3	KSC Safety Practices Procedural Requirements
MIL-HDBK-217	Reliability Prediction of Electronic Equipment
MIL-HDBK-338	Electronic Reliability Design Handbook
MIL-STD-461	Requirement for Control of Electromagnetic Interference Characteristics of Subsystem and Equipment
MIL-STD-882	Standard Practice for Systems Safety
MSFC-STD-3029	Guidelines for the Selection of Metallic Materials for Stress Corrosion Cracking Resistance in Sodium Chloride Environments

NPD8020.7G	Biological Contamination Control for Outbound and Inbound Planetary Spacecraft
NPR 8621.1	NASA Procedures and Guidelines for Mishap Reporting, Investigating, and Record Keeping
NPR 8705.4	Risk Classification for NASA Payloads
NPR 8705.5	Probabilistic Risk Assessment (PRA) Procedures for NASA Programs and Projects
NPR 8715.3	NASA General Safety Program Requirements
NPR 8735.1	Procedures for Exchanging Parts, Materials, and Safety Problem Data Utilizing the Government-Industry Data Exchange Program and NASA Advisories
NPR 8735.2	Management of Government Quality Assurance Functions for NASA Contracts
NSS 1740.12	Safety Standard for Explosives, Propellants, and Pyrotechnics
NSS 1740.14	Guidelines and Assessment Procedures for Limiting Orbital Debris
RADC-TR-85-229	Reliability Prediction for Spacecraft
SAE AS9100	Quality Management System, Aerospace Requirements
300-PG-7120.2.1	Systems Safety and Mission Assurance Program (SSMAP) Development
302-PG-7120.2.1	System Safety Support to GSFC Missions and Other Organizations
541-PG-8072.1.2	GSFC Fastener Integrity Requirements