

# Volume I, Appendix B

## Table of Contents

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<b>B Appendix - Applicable Documents</b> .....	<b>B-1</b>
B.1 Documents Incorporated in the Standards .....	B-1
B.2 Standards Development Documents.....	B-3
B.3 Guidance Documents .....	B-4

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## Appendix - Applicable Documents

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### B.1 Documents Incorporated in the Standards

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The following publications have been incorporated into the Standards. When specific provisions from these publications have been incorporated, specific references are made in the body of the Standards.

#### ***Federal Regulations***

Code of Federal Regulations, Title 20, Part 1910, Occupational Safety and Health Act

Code of Federal Regulations, Title 36, Part 1194, Architectural and Transportation Barriers Compliance Board, Electronic and Information Technology Standards - Final Rule

Code of Federal Regulations, Title 47, Parts 15 and 18, Rules and Regulations of the Federal Communications Commission

Code of Federal Regulations, Title 47, Part 15, “Radio Frequency Devices”, Subpart J, “Computing Devices”, Rules and Regulations of the Federal Communications Commission

#### ***American National Standards Institute (ANSI)***

ANSI C63.4                      Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9Khz to 40 GHz

ANSI C63.19                    American National Standard for Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids

**International  
Electrotechnical  
Commission (IEC)**

IEC 61000-4-2 (1995-01)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 2 Electrostatic Discharge Immunity Test (Basic EMC publication).
IEC 61000-4-3 (1996)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 3 Radiated Radio-Frequency Electromagnetic Field Immunity Test.
IEC 61000-4-4 (1995-01)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 4 Electrical Fast Transient/Burst Immunity Test.
IEC 61000-4-5 (1995-02)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 5 Surge Immunity Test.
IEC 61000-4-6 (1996-04)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 6 Immunity to Conducted Disturbances Induced by Radio-Frequency Fields.
IEC 61000-4-8 (1993-06)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 8 Power-Frequency Magnetic Field Immunity Test. (Basic EMC publication).
IEC 61000-4-11 (1994-06)	Electromagnetic Compatibility (EMC) Part 4: Testing and Measurement Techniques. Section 11. Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests.
IEC 61000-5-7 Ed. 1.0 b:2001	Electromagnetic compatibility (EMC) Part 5-7: Installation and mitigation guidelines—Degrees of protection provided by enclosures against electromagnetic disturbances

**National Institute of  
Standards and  
Technology**

FIPS 140-1	Security Requirements for Cryptographic Modules
FIPS 180-1	Secure Hash Standard
FIPS 188	Standard Security Label for Information Transfer
FIPS 196	Entity Authentication Using Public Key Cryptography
FIPS (number TBD)	Advanced Encryption Standard (AES) (Expected to become official December 2001)

**Military Standards**

MIL-STD-498	Software Development and Documentation Standard, 1989
MIL-STD-810D (2)	Environmental Test Methods and Engineering Guidelines, 19 July 1983

## B.2 Standards Development Documents

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The following publications have been used for guidance in the revision of the Standards.

<b>American National Standards Institute (ANSI)</b>	ANSI/ISO/IEC TR 9294.1990	Information Technology Guidelines for the Management of Software Documentation	
	ISO/IEC TR 13335-4:2000	Information technology—Guidelines for the management of IT Security—Part 4: Selection of safeguards	
	ISO/IEC TR 13335-3:1998	Information technology—Guidelines for the management of IT Security—Part 3 Techniques for the management of IT security	
	ISO/IEC TR 13335-2:1997	Information technology—Guidelines for the management of IT Security—Part 2: Managing and planning IT security	
	ISO/IEC TR 13335-1:1996	Information technology—Guidelines for the management of IT Security—Part 1: Concepts and models for IT security	
	ISO 10007:1995	Quality Mgmt. Guidelines for Configuration Management	
	ISO 10005-1995	Quality Mgmt. Guidelines for Quality Plans	
<b>International Organization for Standardization (ISO)</b>	ANSI/ISO/ASQC QS9000-3-1997	QM and QA standards Part 3: Guidelines for the application of ANSI/ISO/ASQC Q9000-1994 to the Development, Supply, Installation, and Maintenance of Computer Software	
	<b>Electronic Industries Alliance Standards</b>	MB2, MB5, MB9	Maintainability Bulletins
		EIA 157	Quality Bulletin
		EIA QB2-QB5	Quality Bulletins
		EIA RB9	Failure Mode and Effect Analysis, Revision 71
		EIA SEB1—SEB4	Safety Engineering Bulletins
		RS-232-C	Interface Between Data Terminal Equipment and Data Communications Equipment Employing Serial Binary Data Interchange
		RS-366-A	Interface Between Data Terminal Equipment and Automatic Calling Equipment for Data Communication
		RS-404	Standard for Start-Stop Signal Quality Between Data Terminal Equipment and Non-synchronous Data Communication Equipment
	<b>National Institute of Standards and Technology</b>	NISTIR 4909	Software Quality Assurance: Documentation and Reviews

<b>Institute of Electrical and Electronics Engineers</b>	610.12-1990	IEEE Standard Glossary of Software Engineering Terminology
	730-1998	IEEE Standard for Software Quality Assurance Plans
	828-1998	IEEE Standard for Software Configuration Management Plans
	829-1998	IEEE Standard for Software Test Documentation
	830-1998	IEEE Recommended Practice for Software Requirements Specifications
<b>Military Standards</b>	MIL-STD-498	Software Development and Documentation, 27 May 1998

## B.3 Guidance Documents

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The following publications contain information that is useful in understanding and complying with the Standards.

<b>American National Standards Institute (ANSI)</b>	ANSI/ISO/IEC TR 10176.1998	Information Technology Guidelines for the Preparation of Programming Language Standards
	ANSI/ISO/IEC 6592.2000	Information Technology Guidelines for the Documentation of Computer Based Application Systems
<b>International Organization for Standardization (ISO)</b>	ANSI/ISO/ASQC Q9000-3-1997	Quality management and quality assurance standards Part 3: Guidelines for the application of ANSI/IAO/ASQC Q9001-1994 to the Development, supply, installation and maintenance of computer software
<b>International Electrotechnical Commission (IEC)</b>	ANSI/ISO/ASQC Q9000-1-1994	Quality Management and Quality Assurance Standards—Guidelines for Selection and Use
	ANSI/ISO/ASQC Q10007-1995	Quality Management Guidelines for Configuration Management
<b>National Institute of Standards and Technology</b>	FIPS 102	Guideline for Computer Security Certification and Accreditation
	FIPS 112	Password Usage (3)
	FIPS 113	Computer Data Authentication
<b>Institute of Electrical and Electronics Engineers</b>	488-1987	IEEE Standard Digital Interface for Programmable Instrumentation
	796-1983	IEEE Standard Microcomputer System Bus IEEE/ANSI Software Engineering Standards
	750.1-1995	IEEE Guide for Software Quality Assurance Planning
	1008-1987	IEEE Standard for Software Unit Testing

1016-1998 IEEE Recommended Practice for Software Design Descriptions  
1012-1998 IEEE Guide for Software Verification and Validation Plans

***Military Standards***

MIL-HDBK-454 Standard General Requirements for Electronic Equipment  
MIL-HDBK-470 Maintainability Program for Systems & Equipment  
MIL-STD-882 Systems Safety Program Requirements  
MIL-STD-1472 Human Engineering Design Criteria for Military Systems, Equipment and Facilities  
MIL-STD-973 Configuration Management, 30 September 2000

***Other References***

Designing for the Color-Challenged: A Challenge, by Thomas G. Wolfmaier (March 1999);  
[http://www.sandia.gov/itg/newsletter/mar99/accessibility\\_color\\_challenged.html](http://www.sandia.gov/itg/newsletter/mar99/accessibility_color_challenged.html);

Effective Color Contrast: Designing for People with Partial Sight and Color Deficiencies, by Aries Ardit, Ph.D;  
[http://www.lighthouse.org/color\\_contrast.htm](http://www.lighthouse.org/color_contrast.htm)