

Volume I, Appendix B

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Appendix – Applicable Documents

B.1 Documents Incorporated in the Standards

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
ANSI-NCITS 354-2001	Industry Usability Reporting and the Common Industry Format

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**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 140-2	Security Requirements for Cryptographic Modules
FIPS 180-2	Secure Hash Standard, August 2002
FIPS 186-2	Digital Signature Standard, February 2000
FIPS 188	Standard Security Label for Information Transfer
FIPS 196	Entity Authentication Using Public Key Cryptography
FIPS 197	Advanced Encryption Standard (AES)
SP 800-63	Electronic Authentication Guideline, Version 1.0.1

Military Standards

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

Appendix B Applicable Documents

B.2 Standards Development Documents

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

American National Standards Institute (ANSI)	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	
International Organization for Standardization (ISO)	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	
	Electronic Industries Alliance Standards	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
		National Institute of Standards and Technology	NISTIR 4909

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<i>Institute of Electrical and Electronics Engineers</i>	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

<i>Military Standards</i>	MIL-STD-498	Software Development and Documentation, 27 May 1998
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B.3 Guidance Documents

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

<i>American National Standards Institute (ANSI)</i>	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
<i>International Organization for Standardization (ISO)</i>	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
<i>International Electrotechnical Commission (IEC)</i>	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
	ANSI X9.31-1998	Digital Signatures Using Reversible Public Key Cryptography for the Financial Services Industry, 1998
	ANSI X9.62-1998	Public Key Cryptography for Financial Services Industry: The Elliptic Curve Digital Signature Algorithm, 1998
	ISO/IEC 9594-8:2001	ITU-T Recommendation X.509 (2000), Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks
<i>National Institute of Standards and Technology</i>	FIPS 102	Guideline for Computer Security Certification and Accreditation
	FIPS 112	Password Usage (3)
	FIPS 113	Computer Data Authentication

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Institute of Electrical and Electronics Engineers

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-HDBK-781A	Handbook for Reliability Test Methods, Plans, and Environments for Engineering, Development Qualification, and Production
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;

Effective Color Contrast: Designing for People with Partial Sight and Color Deficiencies, by Aries Ardit, Ph.D;
http://www.lighthouse.org/color_contrast.htm

Electronic Markup Language (EML), Version 4.0, (Committee Draft) Organization for the Advancement of Structured Information Standards (OASIS), January 24, 2005

RSA Laboratories Technical Note, Public Key Cryptographic Standard (PKCS) #7: Cryptographic Message Syntax Standard, November 1, 1993

RSA Laboratories Technical Note, Extensions and Revisions to PKCS #7, May 13, 1997

The Americans with Disabilities Act Accessibility Guidelines (ADAAG 2202), Access Board;
<http://www.access-board.gov/adaag/html/adaag.htm>