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HRM Baseline March 2007 Technical Standards Profile (TV-1)				
System	JTA Service	Category	Service Area	Standard
<b>DIMHRS Technical Standards</b>				
DIMHRS	Information Processing Standards	2.5.2.2 User Interface Service—Win32	User Interface Services	Win32 APIs, as specified in the Microsoft Platform SDK.
DIMHRS	Information Processing Standards	2.5.3 Data Management	Database Management System (DBMS)	International Organization for Standardization (ISO)/International Electro-Technical Commission (IEC) 9075:1992: Information Technology - Database Languages – SQL with amendment 1, 1996, as modified by Federal Information Processing Standard (FIPS) Pub 127-2, Database Language for Relational Database Management System (RDBMS), 1993.
DIMHRS	Information Processing Standards	2.5.3 Data Management	DBMS	ISO/IEC 9075-3: 1995: Information Technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI).

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DIMHRS	Information Processing Standards	2.5.3 Data Management	DBMS	Information Technology – Database Languages – SQL – Part 1: Framework (SQL/Framework). ISO/IEC DIS 9075 – 2 Information Technology – Database Languages – SQL – Part 2: Foundation (SQL/Foundation). ISO/IEC DIS 9075 – 3 Information Technology – Database Languages – SQL – Part 3: Call - Level Interface (for SQL3). ISO/IEC DIS 9075 – 4 Information Technology – Database Languages – SQL – Part 4: Persistent Stored Modules (SQL/PSM). ISO/IEC DIS 9075 – 5 Information Technology – Database Languages – SQL – Part 5: Host Language Bindings (SQL/Bindings). ISO/IEC DIS 9075 – 10 Information Technology – Database Languages – SQL – Part 10: Object Language Bindings (SQL/OLB).
DIMHRS	Information Processing Standards	2.5.3 Data Management	DBMS	ANSI X3.135.10-1998: Information technology – Database languages – SQL – Part 10: Object Language Bindings (SQL/OLB).

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DIMHRS	Information Processing Standards	2.5.4 Data Management Security	All Services	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>FIPS Pub 73, Guidelines for Security of Computer Applications, 30 June 1980.</p> <p>NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.</p>
DIMHRS	Information Processing Standards	2.5.4.1 Document Interchange	Document Interchange Services	<p>HTML 4.0 Specification, W3C Recommendation, revised on 24-Apr-1998, REC-html40-19980424.</p> <p>ISO 8879: 1986, Information processing – Text and office systems – Standard Generalized Markup Language (SGML) with Amendment 1, 1988.</p> <p>Simple Object Access Protocol (SOAP) Version 1.2 Part 1: Messaging Framework W3C Working Draft 26 June 2002.</p>

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DIMHRS	Information Processing Standards	2.5.4.1 Document Interchange	Document Interchange Services	<p>HTML 4.01 Specification, W3C Recommendation, 24 December 1999.</p> <p>Extensible Markup Language (XML) 1.0 (Second Edition), W3C Recommendation, 6 October 2000.</p> <p>XML Schema Part 1: Structures, W3C Recommendation, 2 May 2001.</p> <p>XML Schema Part 2: Datatypes, W3C Recommendation, 2 May 2001.</p>
DIMHRS	Information Processing Standards	2.5.4.1 Document Interchange	Document Interchange Services	Document Interchange Extensible Hypertext Markup Language (XHTML) 1.0: The Extensible HyperText Markup Language: Second Edition, A Reformulation of HTML 4 in XML 1.0, W3C Recommendation, 26 January 2000, revised 1 August 2002.
DIMHRS	Information Processing Standards	2.5.4.3 Graphics Data Interchange	Document Interchange Services	<p>Joint Photographic Experts Group (JPEG) File Interchange Format, Version 1.02, 1 September 1992, C-Cubed Microsystems.</p> <p>Graphics Interchange Format (GIF), Version 89a, 31 July 1990, CompuServe Incorporated.</p>
DIMHRS	Information Processing Standards	2.5.4.4.1 Geospatial Data Interchange	Document Interchange Services	FIPS PUB 10-4, Countries, Dependencies, Areas of Special Sovereignty, and Their Principal Administrative Divisions, April 1995 through Change Notice 3, 17 May 1999.

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DIMHRS	Information Processing Standards	2.5.4.6 Motion Imagery Data Interchange	Document Interchange Services	ISO/IEC 13818-1:1996, Information Technology – Generic Coding of Moving Pictures and Associated Audio Information – Part 1:Systems (MPEG-2); 1996, with Amendment 1:1997.  ISO/IEC 13818-2:1996, Information Technology – Generic Coding of Moving Pictures and Associated Audio Information – Part 2: Video (MPEG-2); 1996, with Amendment 1:1997.
DIMHRS	Information Processing Standards	2.5.4.8 Data Interchange with Storage Media	Document Interchange Services	ISO 9660:1998, Information processing – Volume and file structure of CD-ROM for information interchange.
DIMHRS	Information Processing Standards	2.5.5 Graphic Services	Document Interchange Services	ANSI/ ISO/ IEC 9636-1,2, 3,4,5,6: 1991 (R1997), Information Technology-Computer Graphics-Interfacing (CGI) Techniques for Dialogue with Graphics Devices.

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DIMHRS	Information Processing Standards	2.5.7 POSIX	Kernel Operations Services	<p>IEEE 1003.2d:1994, POSIX - Part 2: Shell and Utilities - Amendment: Batch Environment.</p> <p>ISO/IEC 9945-1:1996, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C language] (Mandated Services).</p> <p>ISO/IEC 9945-1:1996:(Thread Extensions) to ISO/IEC 9945-1:1996, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C language] (Thread Optional Services).</p> <p>ISO/IEC 9945-2:1993, Information Technology POSIX -Part 2: Shell and Utilities, as profiled by FIPS Pub 189:1994, Information Technology POSIX - Recommendations (Section 12) and Implementation Guidance (Section 13).</p>
DIMHRS	Information Processing Standards	2.5.8 Internationalization Services	Document Interchange Services	<p>ISO/IEC 10646-1:1993/Cor1:1996, Cor2:1998, Information Technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane.</p> <p>ISO/IEC 8859-1:1998, Information Technology – 8-Bit Single-Byte Coded Graphic Character Sets – Part 1: Latin Alphabet No. 1.</p>

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DIMHRS	Information Processing Standards	2.6.2.2.1 Application Software Entity Security Standards	All Services	DoDD 8500.1, Information Assurance, 24 October 2002.
DIMHRS	Information Processing Standards	2.6.2.2.1 Application Software Entity Security Standards	All Services	DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.  FIPS Pub 73, Guidelines for Security of Computer Applications, 30 June 1980.  NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.  FIPS Pub 41 - Computer Security Guidelines for Implementing the Privacy Act of 1974.  NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.
DIMHRS	Information Processing Standards	2.6.2.2.2 Operating System Services Security	Confidentiality Services	DoDD 8500.1, Information Assurance, 24 October 2002.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Processing Standards	2.6.2.2.2.2 Operating System Services Security	Confidentiality Services	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>Cryptographic Modules, 11 January 1994.</p> <p>FIPS Pub 191 - Guideline for the Analysis of LAN Security, 9 November 1994.</p> <p>FIPS Pub 74 - Guideline for Implementing and Using NBS Data Encryption, 1 April 1981.</p> <p>FIPS Pub 81 - DES Modes of Operation, 2 December 1980.</p> <p>FIPS Pub 83 - Guideline on User Authentication Techniques for Computer Network Access Control, 29 September 1980.</p> <p>IEEE 802.10, IEEE Standard for Interoperable LAN/MAN Security (SILS), 1998; Key Management (Clause 3), IEEE 802.10c-1998 (Supplement) and Security Architecture Framework (Clause 1), IEEE Std. 802.10a-1999 (Supplement).</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Processing Standards	2.6.2.2.2.2 Operating System Services Security	Confidentiality Services	<p>IETF RFC 1829, The Encapsulating Security Payload (ESP) Data Encryption Standard (DES)-Cipher Block Chaining (CBC) Transform, August 1995.</p> <p>IETF RFC 2065, DNS Security Extensions, January 1997.</p> <p>IETF RFC 2104, HMAC: Keyed-Hashing for Message Authentication, February 1997.</p> <p>IETF RFC 2228, File Transfer Protocol Security Extensions, October 1997.</p> <p>IETF RFC 2401, Security Architecture for the Internet Protocol, November 1998.</p> <p>IETF RFC 2405, The ESP CBC-Mode Cipher Algorithm with Explicit IV, November 1998.</p> <p>IETF RFC 2407, Internet Draft, The Internet IP Security Domain of Interpretation for ISAKMP, November 1998.</p> <p>IETF RFC 2408, Internet Security Association and Key Management Protocol (ISAKMP), 21 February 1998.</p>

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DIMHRS	Information Processing Standards	2.6.3.3.1.1.2.6 Cryptography	Confidentiality Services	FIPS PUB 180-1, "Secure Hash Algorithm," April 1995.
DIMHRS	Information Processing Standards	2.5.11.1 Distributed-Object Computing	Object Services	<p>OMG document formal/99-10-07, Common Object Request Broker: Architecture and Specification, Version 2.3.1, October 1999.</p> <p>When a CORBA Object Request Broker (ORB) is used, the following specifications are mandated if the corresponding object service is being implemented:</p> <p>OMG document formal/2000-06-19, Naming Service Specification, Version 1.0, April 2000.</p> <p>OMG document formal/2000-06-15, Event Service Specification, Version 1.0, June 2000.</p> <p>OMG document formal/2000-06-28, Transaction Service Specification, Version 1.1, May 2000.</p> <p>OMG document formal/2000-06-26, Time Service Specification, Version 1.0, May 2000.</p> <p>OMG document formal/2000-06-27, Trading Object Service Specification, Version 1.0, May 2000.</p> <p>OMG document formal/2000-06-20, Notification Service Specification, Version 1.0, June 2000.</p>
DIMHRS	Information Transfer Standards	3.4.1 Host Standards	Application Services	Internet Engineering Task Force (IETF) Standard 3/ Request for Comment- (RFC) -1122/RFC-1123, Host requirements, October 1989.

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DIMHRS	Information Transfer Standards	3.4.1.1 Electronic Mail	Application Services	<p>ACP 123 Edition A, Common Messaging Strategy and Procedures, 15 August 1997.</p> <p>ACP 123 Edition A, U.S. Supplement No. 1, Common Messaging Strategy and Procedures, 26 June 2001.</p> <p>IETF Standard 10/Internet Engineering Task Force (IETF): RFC-821/RFC-1869/RFC-1870, Simple Mail Transfer Protocol Service extensions, November 1995</p> <p>IETF RFC 2821, Simple Mail Transfer Protocol, April 2001.</p> <p>IETF RFC 2822, Internet Message Format, April 2001.</p> <p>IETF RFCs 2045-2049, Multipurpose Internet Mail Extensions (MIME) Parts 1-5, November 1996.</p>

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DIMHRS	Information Transfer Standards	3.4.1.10 Transmission Control Protocol	Application Services	<p>IETF Informational RFC 1770, IPv4 Option for Sender Directed Multi-Destination Delivery, 28 March 1995.</p> <p>IETF RFC 2236, Internet Group Management Protocol, Version 2 (IGMPv2), November 1997.</p> <p>IETF Standard 5/RFC 791/RFC 950/RFC 919/RFC 922/RFC 792/RFC 1112, Internet Protocol, September 1981. In addition, all implementations of IP must pass the 8-bit TOS byte transparently up and down through the transport layer as defined in IETF Standard 3.</p> <p>IETF Standard 35/RFC 1006, ISO Transport Service on top of the TCP. May 1987</p>

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DIMHRS	Information Transfer Standards	3.4.1.10 Transmission Control Protocol	Application Services	<p>IETF RFC 2581, TCP Congestion Control, April 1999.</p> <p>IETF RFC-2001, TCP Slow Start, Congestion Avoidance, Fast Retransmit, and Fast Recovery Algorithms, January 1997.</p> <p>IETF Standard 7/RFC 793, Transmission Control Protocol, September 1981. In addition, PUSH flag and the NAGLE Algorithm, as defined in IETF Standard 3, Host Requirements, are mandated.</p> <p>IETF Standard 6/RFC-768, User Datagram Protocol, 28 August 1980.</p>
DIMHRS	Information Transfer Standards	3.4.1.2.1 X.500 Directory Services	Application Services	ITU-T X.500, The Directory – Overview of Concepts, Models, and Services – Data Communications Networks Directory, 1993.
DIMHRS	Information Transfer Standards	3.4.1.2.2 Lightweight Directory Access Protocol	Application Services	IETF RFC-1777, Lightweight Directory Access Protocol, March 1995.
DIMHRS	Information Transfer Standards	3.4.1.2.3 Domain Name System	Application Services	<p>IETF Standard 13/RFC-1034/RFC-1035, Domain Name System, November 1987.</p> <p>IETF RFC 2136, Dynamic Updates in the Domain Name System, April 1997.</p>

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DIMHRS	Information Transfer Standards	3.4.1.3 File Transfer	Application Services	IETF Standard 9/RFC-959, File Transfer Protocol (FTP), October 1985, with the following FTP commands mandated for reception: Store unique (STOU), Abort (ABOR), and Passive (PASV).
DIMHRS	Information Transfer Standards	3.4.1.4 Remote Terminal	Application Services	IETF Standard 8/RFC-854/RFC-855, TELNET Protocol, May 1983.
DIMHRS	Information Transfer Standards	3.4.1.5 Network Time Synchronization	Application Services	IETF RFC-1305, Network Time Protocol (Version 3) Specification, Implementation, and Analysis, March 1992.
DIMHRS	Information Transfer Standards	3.4.1.6 Bootstrap Protocol (BOOTP) Service	Application Services	IETF RFC 1542, Clarifications and Extensions for the Bootstrap Protocol, October 1993.  IETF RFC 2132, DHCP Options and BOOTP Vendor Extensions, March 1997.  IETF RFC 951, Bootstrap Protocol, September 1985.
DIMHRS	Information Transfer Standards	3.4.1.7 Configuration Information Transfer	Application Services	IETF RFC 2131, Dynamic Host Configuration Protocol, March 1997.
DIMHRS	Information Transfer Standards	3.4.1.8.1 Hypertext Transfer Protocol	Application Services	IETF RFC-2616, Hypertext Transfer Protocol – HTTP/1.1, June 1999.

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DIMHRS	Information Transfer Standards	3.4.1.8.2 Uniform Resource Locator	Application Services	IETF RFC-1738, Uniform Resource Locators (URL), 20 December 1994.  IETF RFC 2396, Uniform Resource Identifiers (URI), Generic Syntax, August 1998.
DIMHRS	Information Transfer Standards	3.4.1.8.2 Uniform Resource Locator	Application Services	IETF RFC-1808, Relative Uniform Resource Locators, June 1995.
DIMHRS	Information Transfer Standards	3.4.1.9 Connectionless Data Transfer	Application Services	MIL-STD-2045-47001B, Connectionless Data Transfer Application Layer Standard, 20 January 1998.

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DIMHRS	Information Transfer Standards	3.4.2 Video Teleconferencing Standards	Application Services	<p>ITU-T G.711, Pulse code modulation 3.1 KHz to 48, 56, and 64 (narrowband speech mode). HAOA , TIMPO.</p> <p>ITU-T G.722, Audio CODEC, 7 KHz at 48, 56, and 64 Kbps (wideband speech). HAOA , TIMPO.</p> <p>ITU-T G.728, Audio CODEC 3.1 KHz at 16 Kbps (narrowband speech mode). HAOA , TIMPO.</p> <p>ITU-T H.221, Frame structure for 64 to 1920 Kbit/s channel in audiovisual services.</p> <p>ITU-T H.224, Real-time control protocol for simplex applications using the H.221 LSD/HSD/MLP channels.</p> <p>ITU-T H.230, Frame-synchronous control and indication signals for audiovisual systems.</p> <p>ITU-T H.231, Multipoint control unit functional description.</p> <p>ITU-T H.242, System for establishing communication between audio visual terminals using digital channels up to 2 Mbits/s</p>

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DIMHRS	Information Transfer Standards	3.4.2 Video Teleconferencing Standards	Application Services	<p>ITU-T H.243, Procedure for establishing communication between three or more audiovisual terminals using digital channels up to 2 Mbit/s.</p> <p>ITU-T H.244, Synchronized Aggregation of Multiple 64 or 56 Kbps channels, July 1995.</p> <p>ITU-T H.261, Video CODEC for audiovisual services at px64 Kbps.</p> <p>ITU-T H.281, Far-end camera control protocol for video conferences using H.224.</p> <p>HAOA</p> <p>ITU-T H.320, Narrow-band visual telephone systems and telephone equipment.</p> <p>ITU-T H.323, Packet-based Multimedia Communications Systems, January 1998.</p> <p>ITU-T T.120, Transmission Protocols for Multimedia Data, July 1996.</p> <p>ITU-T T.122, Multipoint Communications Service for Audiographic and Audio Visual Conferencing Service Definition, March 1993.</p>

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DIMHRS	Information Transfer Standards	3.4.2 Video Teleconferencing Standards	Application Services	ITU-T T.124, Generic Conference Control for Audiographic and Audiovisual Terminals and Multipoint Control Units, August 1995.  ITU-T T.125, Multipoint Communications Service Protocol Specification, April 1994.
DIMHRS	Information Transfer Standards	3.4.3 Facsimile Services	Application Services	EIA/TIA-465-A, Group 3 Facsimile Apparatus for Document Transmission, June 1995.
DIMHRS	Information Transfer Standards	3.5.4 Network Quality of Service Standards	Application Services	ISO/IEC 15802-3, IEEE 802.1D dtd 25 JUN 1998 Information Technology – Telecommunications and Information Exchange between Systems – LAN/MAN – Common Specifications – Part 3: Media Access Control (MAC) Bridges.

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DIMHRS	Information Transfer Standards	3.6.1 Local Area Network Access	Application Services	<p>IEEE 802.3u-1995, Supplement to ISO/IEC 8802-3:1993, Local and Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mbps Operation, Type 100BASE-T (Clauses 21-30).</p> <p>ISO/IEC 8802-3:1996, Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, 10BASE-T Medium-Access Unit (MAU). (Ethernet).                      IETF Standard 37/RFC-826, An Ethernet Address Resolution Protocol, November 1982.</p> <p>IETF Standard 41/RFC-894, Standard for the Transmission of IP Datagrams Over Ethernet Networks. April 1984.</p>

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DIMHRS	Information Transfer Standards	3.6.2 Point-to-Point Access	Application Services	<p>IETF RFC-1332, PPP Internet Protocol Control Protocol (IPCP), May 1992.</p> <p>IETF RFC-1570, PPP LCP Extensions, January 1994.</p> <p>IETF RFC-1989, PPP Link Quality Monitoring (LQM), August 1996.</p> <p>IETF RFC-1994, PPP Challenge Handshake Authentication Protocol (CHAP), August 1996.</p> <p>IETF Standard 51/RFC-1661/RFC-1662, Point-to-Point Protocol (PPP), July 1994.</p> <p>ISO High-level Data Link Control (HDLC).</p> <p>EIA/TIA-232-F, Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange, October 1997.</p> <p>EIA/TIA-530-A, High Speed 25-Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment, June 1992, Including Alternate 26-Position Connector, 1992. (This calls out EIA 422B and 423B).</p>

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DIMHRS	Information Transfer Standards	3.6.4 Integrated Services Digital Network	Application Services	<p>DISA Circular (DISAC) 310-225-1, Defense Switched Network (DSN) User Services Guide, 2 April 1998.</p> <p>ITU-T E.164, Numbering Plan for the ISDN Era, May 1997.</p> <p>ANSI T1.601, ISDN Basic Access Interface for Use on Metallic Loops for Application on the Network Side of the NT (Layer 1 Specification), 1999.</p> <p>ANSI T1.605, ISDN Basic Access Interface for S and T Reference Points - Layer 1 Specification, 1991.</p> <p>ANSI T1.602, ISDN Data Link Signaling Specification for Application at the User Network Interface, 1996.</p> <p>ANSI T1.408, ISDN Primary Rate - Customer Installation Metallic Interfaces (Layer 1 Specification), 1990.</p> <p>ANSI T1.111, Signaling System No. 7, Message Transfer Part, 1996.</p> <p>ANSI T1.112, Signaling System No. 7, Signaling</p>

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DIMHRS	Information Transfer Standards	3.6.5 Asynchronous Transfer Mode	Application Services	<p>ITU-T I.363.1, B-ISDN ATM Adaptation Layer Specification: Type 1 ATM Adaptation Layer (AAL1), August 1996.</p> <p>ITU-T I.363.5, B-ISDN ATM Adaptation Layer Specification: Type 5 ATM Adaptation Layer (AAL5), August 1996.</p> <p>DoD ATM Addressing Plan, 17 April 1998.</p> <p>ATM Forum, af-vtoa-0078.000, Circuit Emulation Service Interoperability Specification, Version 2.0, January 1997.</p> <p>ATM Forum, af-lane-0021.000, Local Area Network Emulation (LANE) Over ATM, Version 1.0, January 1995.</p> <p>ATM Forum, af-lane-0038.000, LAN Emulation Client Management Specification, September 1995.</p> <p>ATM Forum, af-lane-0050.00, LANE Over ATM, Version 1.0 Addendum, December 1995.</p> <p>ATM Forum, af-lane-0057.000, LANE Servers Management Specification 1.0, March 1996.</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Transfer Standards	3.6.5 Asynchronous Transfer Mode	Application Services	<p>ATM Forum, af-phy-0054.000, DS3 Physical Layer Interface Specification, January 1996.</p> <p>ATM Forum, af-phy-0064.000, E1 Physical Interface Specification, September 1996.</p> <p>ATM Forum, af-uni-0010.002, ATM UNI Specification V 3.1, Section 2.1 and 2.4, September 1994.</p> <p>ATM Forum, af-pnni-0055.000, Private Network to Network Interface (PNNI) Specification, Version 1.0, March 1996.</p> <p>ATM Forum, af-pnni-0066.000, PNNI Specification, Version 1.0 Addendum (Soft PVC MIB), September 1996.</p> <p>ATM Forum, af-tm-0056.000, Traffic Management Specification, Version 4.0, April 1996.</p> <p>ATM Forum, af-sig-0061.000, ATM UNI Signaling Specification, Version 4.0, July 1996.</p> <p>ATM Forum, af-uni-0010.002, ATM UNI Specification V3.1, September 1994.</p>

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DIMHRS	Information Transfer Standards	3.6.6 Gigabit Ethernet	Application Services	<p>IEEE 802.3-1998, Edition Information Technology (Clauses 34-42) – Telecommunications and Information Exchange Between Systems—Local and Metropolitan Area Networks—Specific Requirements – Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA)</p> <p>IEEE 802.3ab-1999, Telecommunications and Information Exchange Between Systems – LAN/MAN – Physical Layer Parameters and Specifications for 1000Mb/s Operation over 4-Pair of Category 5 Balanced Copper Cabling, Type 1000BASE-T.</p>
DIMHRS	Information Transfer Standards	3.7.3 Radio Communications	Application Services	MIL-STD-188-110B, Interoperability and Performance Standards for Data Modems, 27 April 2000.

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DIMHRS	Information Transfer Standards	3.7.4 Synchronous Optical Network Transmission Facilities	Application Services	<p>ANSI T1.105, Telecommunications Synchronous Optical Network (SONET) Basic Description Including Multiplex Structure, Rates and formats (ATIS) (Revision and Consolidation of ANSI T1.105-1991 and ANSI T1.105A-1991), 1995.</p> <p>ANSI T1.107 Digital Hierarchy Formats Specifications, 1995.</p> <p>ANSI T1.117, Digital Hierarchy Optical Interface Specifications (SONET) (Single Mode Short Reach), 1991.</p>

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DIMHRS	Information Transfer Standards	3.8.1 Data Communications Management	Application Services	<p>IETF RFC-1514, Host Resources MIB, September 1993.</p> <p>IETF RFC-1757, Remote Network Monitoring Management Information Base, (RMON Version 1), February 1995.</p> <p>IETF RFC-1850, Open Shortest Path First (OSPF) Version 2 Management Information Base, November 1995.</p> <p>IETF Standard 16/RFC-1155/RFC-1212, Structure of Management Information, May 1990.</p> <p>IETF Standard 17/RFC-1213, Management Information Base, March 1991.</p> <p>IETF Standard 50/RFC-1643, Definitions of Managed Objects for the Ethernet-like Interface Types, July 1994.</p> <p>IETF Standard 15/RFC-1157, Simple Network Management Protocol (SNMP), May 1990.</p>

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DIMHRS	Information Transfer Standards	3.9 Telecommunications Management	Application Services	<p>ISO/IEC 9595:1998, Information Technology Open Systems Interconnection Common Management Information Services (CMIS).</p> <p>ISO/IEC 9596-1:1998 Information Technology Open Systems Interconnection Common Management Information Protocol (CMIP) Part 1: Specification.</p> <p>ISO/IEC 9596-2:1993 Information Technology Open Systems Interconnection Common Management Information Protocol (CMIP): Protocol Implementation Conformance Statement (PICS) proforma.</p> <p>ANSI T1.204, OAM&amp;P Lower Layer Protocols for TMN Interfaces Between Operations Systems and Network Elements, 1997.</p> <p>ANSI T1.208, OAM&amp;P Upper Layer Protocols for TMN Interfaces Between Operations Systems and Network Elements, 1997.</p> <p>ITU-T M.3207.1, TMN management service: maintenance aspects of B-ISDN management, 1996.</p>

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DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.5.1 Activity Model	Data Dictionary and Directory Services	IEEE 1320.1:1998, IEEE Standard for Functional Modeling Language-Syntax and Semantics for IDEF0.
DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.5.2 Data Modeling	Data Dictionary and Directory Services	FIPS PUB 184, Integration Definition for Information Modeling (IDEF1X), December 1993.  DoD Manual 8320.1-M-1, DoD Data Standardization Procedures, April 1998.
DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.5.3 Object Modeling	Computer-Aided Software Engineering (CASE) Tools and Environment Services	Object Management Group (OMG) Unified Modeling Language (UML) Specification, Version 1.4, September 2001.

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DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.7 Data Definitions	Data Dictionary and Directory Services	<p>Calendar Date: DDDS Counter ID # 195 Format: YYYYMMDD (8-digit contiguous), where: YYYY = year; MM = month; DD = day (Also referenced in ISO 8601, ANSI X3.30, and FIPS 4-1).</p> <p>Defense Data Dictionary System (DDDS).</p> <p>DoD Manual 8320.1-M-1, DoD Data Standardization Procedures, April 1998.</p> <p>Ordinal Date: DDDS Counter ID # 165 Format: YYYYDDD (7-digit contiguous), where: YYYY = year; DDD = ordinal day within year (Also referenced in ISO 8601).</p> <p>Year Date: DDDS Counter ID #166 Format: YYYY (4-digit contiguous), where: YYYY = year (Also referenced in ISO 8601).</p>
DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.8.1.2 Character-Based Formatted Messages	Data Interchange Services	MIL-STD-6040, United States Message Text Format (USMTF), 31 March 2002.

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DIMHRS	Information Modeling, Metadata, and Information Exchange Standards	4.8.1.3 Binary Floating Data Interchange	Document Interchange Services	American National Standards Institute/Institute of Electrical and Electronics Engineers (ANSI/IEEE) 754 – 1985, IEEE standard for Binary Floating – Point Arithmetic, 21 March 1985.
DIMHRS	Human-Computer Interface Standards	5.5.1 Graphical User Interface	User Interface Services	DoD Human Computer Interface HCI Style Guide, 30 April 1996.  The Windows Interface Guidelines for Software Design, Microsoft Press, 1995.
DIMHRS	Human-Computer Interface Standards	5.5.2 Character-Based Interfaces	User Interface Services	DoD Human Computer Interface HCI Style Guide, 30 April 1996.
DIMHRS	Human-Computer Interface Standards	5.6 Style Guides (Domain Level)	User Interface Services	User Interface Specification for the Defense Information Infrastructure (DII), Version 3.0, February 1998.  User Interface Specification for the Defense Information Infrastructure (DII), Version 4.0, October 1999.  User Interface Specification for the Defense Information Infrastructure (DII), Version 4.1, October 3, 2000.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Human-Computer Interface Standards	5.6 Style Guides (System Level)	User Interface Services	ISO 13407:1999(E), Human-centered design processes for interactive systems, June 1999.
DIMHRS	Information Security Standards	6.4.1.1 Web Security Standards	Confidentiality Services	Secure Sockets Layer (SSL) Protocol Version 3, 18 November 1996.  IETF- RFC 2246, The Transport Layer Security (TLS) Protocol Version 1.0, January 1999.  IETF RFC 1870, Simple Mail Transfer Protocol Services Extension for Message Size Declaration, November 1995.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.4.1.2 Certificate Profiles	Confidentiality Services	<p>ACP-120, Allied Communications Publication 120, Common Security Protocol (CSP), Rev A, 7 May 1998.</p> <p>International Telecommunications Union – Telecommunications (ITU-TITU-T Recommendation X.411 (1999)/ISO/IEC 10021-4:1999, Information Technology – Open Systems Interconnection – Message Handling Systems (MHS) – Message Transfer System:Abstract Service Definition Procedures.</p> <p>ITU-T Recommendation X.509 (2000)/ISO/IEC 9594-8:2001, Information Technology – Open Systems Interconnection – The Directory: Public Key and Attribute Certificate Frameworks, 2001, with Technical Corrigendum 1:2002, and Technical Corrigendum 2:2002</p>
DIMHRS	Information Security Standards	6.4.1.2 Certificate Profiles	Confidentiality Services	<p>ITU-T Recommendation X.481 (2000)/ISO/IEC 15816-12:2000, Information Technology – Security Techniques – Security Information Objects for Access Control; SDN.706, X.509 Certificate and Certificate Revocation List Profiles and Certification Path. Processing Rules, Revision D, 12 May 1999; SDN.801, Access Control Concept and Mechanisms, Revision C, 12 May 1999.</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.4.1.2 Certificate Profiles	Confidentiality Services	<p>IETF RFC 2459, Internet X.509 Public Key Infrastructure Certificate and CRL Profile, January 1999, as profiled by TWG-98-07.</p> <p>ITU-T X.509, Information Technology – Open Systems Interconnection – The Directory: Authentication Framework, June 1997, as profiled by IETF RFC 2459.</p> <p>TWG-98-07, Federal PKI X.509 Certificate and CRL Extensions Profile, 9 March 1998, as profiled by DoD Certificate Profile, as defined in X.509 Certificate Policy for the United States Department of Defense, Version 1.5, 13 December 1999.</p> <p>FORTEZZA Interface Control Document, Revision P1.5, 22 December 1994.</p>
DIMHRS	Information Security Standards	6.4.1.2 Cryptography	Confidentiality Services	<p>IETF RFC 2630, Cryptographic Message Syntax, June 1999.</p> <p>IETF RFC 2632, S/MIME Version 3 Certificate Handling, June 1999; IETF RFC 2633, S/MIME Version 3 Message Specification, June 1999.</p>
DIMHRS	Information Security Standards	6.4.1.3 Authentication Security Standards	Confidentiality Services	<p>IETF RFC-1510, The Kerberos Network Authentication Service, Version 5, 10 September 1993.</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.4.1.3 Authentication Security Standards	Confidentiality Services	<p>C311, DCE 1.1: Authentication and Security Services, Open Group (OG) CAE Specification, August 1997. Included as part of full definition of OG Distributed Computing Environment (DCE). Other security requirements found in Information Security Standards.</p> <p>C705, DCE 1.1: Directory Services, Open Group CAE Specification, August 1997.</p> <p>C706, DCE 1.1: Remote Procedure Call, Open Group CAE Specification, August 1997.</p> <p>C310, DCE 1.1: Time Services Specification, X/Open CAE Specification, November 1994.</p> <p>CSC-STD-002-85, DoD Password Management Guidance, 12 April 1985.</p> <p>FIPS PUB 112, Password Usage, 30 May 1985.(Applicable if Open Software Foundation DCE Version 1.1 is not used.)</p> <p>FIPS Pub 113, Computer Data Authentication, 30 May 1985</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.4.1.3 Authentication Security Standards	Confidentiality Services	<p>FIPS Pub 181, Automated Password Generator, 5 Oct 1993.</p> <p>IETF RFC 2138, Remote Authentication Dial In User Service (RADIUS), April 1997.</p> <p>IETF RFC-1510, The Kerberos Network Authentication Service, Version 5, 10 September 1993. (Applicable if Open Software Foundation DCE Version 1.1 is used.)</p> <p>IETF RFC-2289, A One-Time Password System, February 1998.</p> <p>Security Assertion Markup Language (SAML) v1.0, 5 November 2002.</p>
DIMHRS	Information Security Standards	6.4.1.7 Distributed-Object Computing	Object Services	OMG document formal/01-03-08, Security Services Specification, Version 1.7, March 2001.
DIMHRS	Information Security Standards	6.4.1.7 Security-Auditing and Security-Alarm Reporting	Confidentiality Services	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>ISO/IEC 10164-8, 1993 Information Technology-Open System Interconnection - Systems Management - Part 8: Security Audit Trail Function (ITU-T X.740).</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.4.2.1 Internetworking Security Standards	All Services	Draft FIPS 46-3, Data Encryption Standard (DES).
DIMHRS	Information Security Standards	6.4.2.1 Internetworking Security Standards	All Services	FIPS Pub 46-3 - Data Encryption Standard (Triple DES), 25 October 1999. (This replaces DES with Triple DES, as specified in ANSI X9.52).
DIMHRS	Information Security Standards	6.4.2.1 Security Algorithms	Confidentiality Services	FIPS PUB 185, SKIPJACK Algorithm, February 1994, NSA, R21-TECH-044-91, 21 May 1991.  R21-TECH-23-94, Key Exchange Algorithm (KEA), NSA, 12 July 1994.
DIMHRS	Information Security Standards	6.4.2.2 Security Algorithms	Confidentiality/ Non-Repudiation Services	FIPS PUB 180-1, Secure Hash Algorithm-01 April 1995.
DIMHRS	Information Security Standards	6.4.2.3 Security Algorithms	Confidentiality Services	FIPS PUB 186-2, Digital Signature Standard (DSS) Digital Signature Algorithm (DSA), 27 January 2000.
DIMHRS	Information Security Standards	6.4.2.7 Host Security Standards	Confidentiality Services	FIPS PUB 140-2, Security Requirements for Cryptographic Modules, 25 May 2001.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.5.1 Firewall Service	All Services	U.S. Government Application-level Firewall Protection Profile for Low Risk Environments, July 20, 1999.  U.S. Government Traffic Filtering Firewall for Low Risk Environments, Version 1.1, April 1999.
DIMHRS	Information Security Standards	6.6 Virtual Private Network Service	All Services	Virtual Private Network Protection Profile for Protecting Sensitive Information, Version 1.0, 26 February 2000.
DIMHRS	Information Security Standards	6.6.1 Internetworking Security Standards	All Services	IETF RFC 2406 "IP Encapsulating Security Payload (ESP)," November 1998.  IETF RFC 2408, "Internet Security Association and Key Management Protocol (ISAKMP)," November 1998.  IETF RFC 2407, "The Internet IP Security Domain of Interpretation for ISAKMP," November 1998.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.6.1 Internetworking Security Standards	All Services	<p>IETF RFC 1770, IPv4 Option for Sender Directed Multi-Destination Delivery, March 1995.</p> <p>IETF RFC 2236, Internet Group Management Protocol, Version 2 (IGMPv2), November 1997.</p> <p>IETF Standard 5/RFC 791/RFC 950/RFC 919/RFC 922/RFC 792/RFC 1112, Internet Protocol, September 1981.</p> <p>IETF RFC-1812, Requirements for IP Version 4 Routers, 22 June 1995.</p> <p>IETF RFC-2131, Dynamic Host Configuration Protocol, March 1997.</p> <p>IETF RFC-2132, DHCP Options and BOOTP Vendor Extensions, March 1997.</p> <p>IETF RFC-951, Bootstrap Protocol, September 1985.</p> <p>IETF Standard 13/RFC-1034/RFC-1035, Domain Name System, November 1987.</p> <p>IETF Standard 33/RFC-1350, The TFTP Protocol (Revision 2), July 1992, to be used for initialization</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.6.1 Internetworking Security Standards	All Services	<p>IETF RFC-1771, A Border Gateway Protocol 4 (BGP-4), 21 March 1995.</p> <p>IETF RFC-1772, Application of the Border Gateway Protocol in the Internet, March 1995.</p> <p>IETF Standard 54/RFC-2328, Open Shortest Path First Routing Version 2, April 1998.</p>
DIMHRS	Information Security Standards	6.6.1 Security Protocols	Authentication Services	IETF RFC 2402, IP Authentication Header, November 1998.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.6.1 Security Protocols	Authentication Services	<p>FIPS Pub 161-2 - Electronic Data Interchange, 22 May 1996.</p> <p>FIPS PUB 188, Standard Security Label for Information Transfer, 6 September 1994.</p> <p>IEEE 802.10c-1998, Interoperable LAN/MAN Security (SILS) Key Management (Clause 3). Key management on IEEE 802 Local Area Networks (LANs) and Metropolitan Area Networks (MANs) is described and published separately as IEEE 802.10c-1998.</p> <p>IETF RFC 2311, S/MIME version 2, Message Specification, March 1998.</p> <p>ITU-T Rec. X.509 (ISO/IEC 9594-8.2), Version 3, The Directory: Authentication Framework, 1997.</p> <p>SDN.903, revision 3.2, Secure Data Network System (SDNS) Key Management Protocol (KMP), 1 August 1989.</p>

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Information Security Standards	6.7.1.2 Operational Protocols and Exchange Formats	Confidentiality Services	IETF RFC 2559, Internet X. 509 Public Key Infrastructure Operational Protocols: LDAPv2," April 1999, IETF Proposed Standard.  IETF RFC2587, Internet X. 509 Public Key Infrastructure LDAPv2 Schema," June 1999, IETF Proposed Standard.
DIMHRS	Information Security Standards	6.7.1.3 Management Protocols	Confidentiality Services	IETF RFC 2315, Public Key Cryptography Standard (PKCS) #7, Cryptographic Message Syntax, Version 1.5, March 1998, Informational RFC; IETF RFC 2314, PKCS #10, Certification Request Syntax, Version 1.5, March 1998.
DIMHRS	Information Security Standards	6.7.3 Intrusion Detection Systems	All Services	Intrusion Detection System Analyzer Protection Profile, 30 December 1999.  Intrusion Detection System Scanner Protection Profile, 4 January 2000.  Intrusion Detection System Sensor Protection Profile, 30 December 1999.
DIMHRS	Information Security Standards	6.8 Evaluation Criteria Security	Confidentiality Services	DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.  FIPS Pub 48 - Guidelines on evaluation of techniques for automated personal identification, 1 April 1977.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Net-Centric Standards	Metadata Standard	Net-Centric	Intelligence Community Metadata Standard for Publishing (IC MSP), Data Element Dictionary, Version 1.0, July 5, 2002, published by the Intelligence Community Metadata Working Group.
DIMHRS	Net-Centric Standards	Code Representation for Naming of Languages	Net-Centric	<p>Intelligence Community Metadata Standard for Publishing (IC MSP), Data Element Dictionary, Version 1.0, July 5, 2002, published by the Intelligence Community Metadata Working Group.</p> <p>International Standard ISO 639-1:2002, July 18, 2002, Codes for the representation of names of languages – Part 1: Alpha-2 code.</p> <p>International Standard ISO 639-2:1998, November 15, 2002, Codes for the representation of names of languages – Part 2: Alpha-3 code.</p>
DIMHRS	Net-Centric Standards	Code Representation for Naming of Countries	Net-Centric	International Standard ISO 3166-1:1998, November 15, 2001, Codes for representation of names of countries and their subdivisions – Part 1: Country Codes.

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System	JTA Service	Category	Service Area	Standard
DIMHRS	Net-Centric Standards	Data Elements and Interchange Formats	Net-Centric	International Standard ISO 8601:2000, 2000, Data elements and Interchange Formats -- Information interchange -- Representation of dates and times, published by the International Standard Organization.
DIMHRS	Net-Centric Standards	Metadata Registry	Net-Centric	International Standard ISO/IEC 11179-3:2003, March 2003, Information Technology Metadata Registries – Part 3: Registry metamodel and basic attributes, published by the International Standard Organization.
<b>DTS Technical Standards</b>				
DTS	Information Transfer Standards	End System Standards	3.2.1.2 Host Standards	IETF Standard 3/RFC-1122/RFC-1123, Host Requirements, October 1989.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.1 Electronic Mail	IETF Standard 10/RFC-821/RFC-1869/RFC-1870, Simple Mail Transfer Protocol (SMTP) Service Extensions, November 1995.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.1 Electronic Mail	IETF Standard 11/RFC-822/RFC-1049, Standard for the Format of ARPA Internet Text Messages, August 13, 1982.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.1 Electronic Mail	IETF RFCs 2045-2049, Multipurpose Internet Mail Extensions (MIME) Parts 1–5, November 1996.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.2.2 Lightweight Directory Access Protocol (LDAP)	IETF RFC-1777, Lightweight Directory Access Protocol (LDAP), March 1995.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.2.3 Domain Name System	IETF Standard 13/RFC-1034/RFC-1035 Domain Name System, November 1987.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.2.3 Domain Name System	IETF RFC-2136 Dynamic Updates in the Domain Name System, April 1997.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.3 File Transfer	IETF Standard 9/RFC-959, File Transfer Protocol, October 1985, with the following FTP commands mandated for reception: Store unique (STOU), Abort (ABOR), and Passive (PASV).
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1 Remote Terminal	IETF Standard 8/RFC-854/RFC-855, Telnet Protocol, May 1983.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.5 Network Time Synchronization	IETF RFC-1305, Network Time Protocol (V3), Specification Implementation and Analysis, March 1992.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.8.1 Hypertext Transfer Protocol	IETF RFC-2616, Hypertext Transfer Protocol – HTTP/1.1, June 1999.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.8.2 Uniform Resource Locator	IETF RFC-1738, Uniform Resource Locators (URL), December 20, 1994.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.1.8.2 Uniform Resource Locator	IETF RFC-2396, Relative Uniform Identifiers (URI), Generic Syntax, August 1998.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.2.1 Transmission Control Protocol	IETF-Standard 7/RFC-793, Transmission Control Protocol, September 1981. In addition, PUSH flag and the NAGLE algorithm, as defined in IETF Standard 3, Host Requirements.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.2.1 Transmission Control Protocol	IETF RFC-2581, TCP Congestion Control, April 1999.
DTS	Information Transfer Standards	End System Standards	3.2.1.2.2.1.2 User Datagram Protocol	IETF Standard 6/RFC-768, User Datagram Protocol, August 28, 1980.
DTS	Information Transfer Standards	Network Standards	3.2.1..2.2.1.3 Internet Protocol	IETF Standard 5/RFC-791/RFC-950/RFC-919/RFC-922/RFC-792/RFC-1112, Internet Protocol, September 1981. In addition, all implementations of IP must pass the 8-bit type-of-service (TOS) byte transparently up and down through the transport layer as defined in IETF Standard 3, Host Requirements.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF RFC-1812, Requirements for IP Version 4 Routers, June 22, 1995.
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF Standard 6/RFC-768, User Datagram Protocol, August 28, 1980.
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF Standard 7/RFC-793, Transmission Control Protocol, September 1981.
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF Standard 8/RFC-854/RFC-855, TELNET Protocol, May 1983.
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF Standard 13/RFC-1034/RFC-1035, Domain Name System, November 1987.
DTS	Information Transfer Standards	Network Standards	3.2.2.1 Internetworking (Router) Standards	IETF Standard 33/RFC-1350, The TFTP Protocol Revision 2, July 1992, to be used for initialization only.
DTS	Information Transfer Standards	Network Standards	3.2.2.1.1 Internet Protocol	IETF Standard 5/RFC-791/RFC-950/RFC-919/RFC-922/RFC-792/RFC-1112, Internet Protocol, September 1981.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	Network Standards	3.2.2.1.2.2 Exterior Routers	IETF RFC-1771, Border Gateway Protocol 4, (BGP-4) March 21, 1995.
DTS	Information Transfer Standards	Network Standards	3.2.2.1.2.2 Exterior Routers	IETF RFC-1772, Application of BGP-4 in the Internet, March 1995.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.1 Local Area Network Access	ISO/IEC 8802-3: 1996, Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, 10BASE-T Medium-Access Unit (MAU).
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.1 Local Area Network Access	IEEE 802.3u-1995, Supplement to ISO/IEC 8802-3: 1993, Local and Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mbp/s Operation, Type 100BASE-T (Clauses 21-30).
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.1 Local Area Network Access	IETF Standard 41/RFC-894, Standard for the Transmission of IP Datagrams Over Ethernet Networks, April 1984.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.1 Local Area Network Access	IETF Standard 37/RFC-826, An Ethernet Address Resolution Protocol, November 1982.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	IETF Standard 51/RFC-1661/RFC-1662, Point-to-Point Protocol (PPP), July 1994.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	IETF RFC-1332, PPP Internet Protocol Control Protocol (IPCP), May 1992.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	IETF RFC-1989, PPP Link Quality Monitoring (LQM), August 16, 1996.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	IETF RFC-1994, PPP Challenge Handshake Authentication Protocol (CHAP), August 30, 1996.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	IETF RFC-1570, PPP Link Control Protocol (LCP) Extensions, January 1994.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	EIA/TIA 232-F, Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange, October 1997.
DTS	Information Transfer Standards	Subnetwork	3.2.2.2.2 Point-to-Point Standards	EIA/TIA 530-A, High-Speed 25-Position Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment, Including Alternative 26-Position Connector, December 1998 (This calls out EIA/TIA 422-B and 423-B.)
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF Standard 15/RFC-1157, Simple Network Management Protocol (SNMP), May 1990.
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF Standard 16/RFC-1155/RFC-1212, Structure of Management Information, May 1990.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF Standard 17/RFC-1213, Management Information Base, March 1991.
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF RFC-1514, Host Resources MIB, September 1993.
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF Standard 50/RFC-1643, Definitions of Managed Objects for the Ethernet-like Interface Types, July 1994.
DTS	Information Transfer Standards	Network and Systems Management	3.2.4.1 Data Communications Management	IETF RFC-1757, Remote Network Monitoring Management Information Base (RMON Version 1), February 1995.
DTS	Information Transfer Standards	Telecommunications Management	3.2.4.2 Telecommunications Management	ITU-T M.3207.1, TMN Management Service: Maintenance Aspects of B-ISDN Management, 1996.
DTS	Information Security Standards		6.2.3.1.1.1 Security Algorithms	FIPS PUB 180-1, Secure Hash Algorithm-1, April 1995.
DTS	Information Security Standards		6.2.3.1.1.1 Security Algorithms	FIPS PUB 186-1, Digital Signature Standard (DSS) Digital Signature Algorithm (DSA), December 1998.
DTS	Information Security Standards		6.2.3.1.1.1 Security Algorithms	R21-TECH-23-94, Key Exchange Algorithm (KEA), NSA, July 12, 1994.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Security Standards		6.2.3.1.1.2 Security Protocols	ITU-T Rec. X-509 (ISO/IEC 9594-8.2), Version 3, The Directory: Authentication Framework, 1997.
DTS	Information Security Standards	Supporting Infrastructure	6.3.3.1.1.2.2 Medium Assurance PKI Certificate Profiles (Emerging Standards)	ITU-T Rec. X.509 Information Technology – Open Systems Interconnection – The Directory: Authentication Framework, June 1997, as profiled by IETF RFC 2459.
DTS	Information Security Standards	Supporting Infrastructure	6.3.3.1.1.2.2 Medium Assurance PKI Certificate Profiles (Emerging Standards)	IETF RFC 2459, Internet X.509 Public Key Infrastructure Certificate and CRL Profile, January 1999, as Profiled by TWG-98-07.
DTS	Information Security Standards	Supporting Infrastructure	6.3.3.1.1.2.2 Medium Assurance PKI Certificate Profiles (Emerging Standards)	TWG-98-07 Federal PKI X.509 Certificate and CRL Extensions Profile, 9 March 1998, as profiled by DoD Certificate Profile, as defined in X.509 Certificate Policy for the United States Department of Defense, Version 1.5, 13 December 1999.
DTS	Information Security Standards	Supporting Infrastructure	6.3.3.1.1.2.3 Operational Protocols and Exchange Formats	IETF RFC 2559, Internet X.509 Public Key Infrastructure Operational Protocols; LDAPv2, April 1999.

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System	JTA Service	Category	Service Area	Standard
DTS	Information Security Standards	Supporting Infrastructure	6.3.3.1.1.2.3 Operational Protocols and Exchange Formats	IETF RFC 2587, Internet X.509 Public Key Infrastructure LDAPv2 Schema, June 1999.
DTS	Information Security Standards		6.3.3.2.1 Internetworking Security Standards	DRAFT-IETF-secach-architecture-05.txt, Secure Shell (SSH) Protocol Architecture, May 2000.
DTS			Virtual Private Networking	FIPS 140-1, Overall Level 2 Certification, December of 2001.
<b>MHS Technical Standards</b>				
MHS	Information Standards	Message Format	Clinical Information Electronic Data Interchange (EDI)	HL7 v2.4 (XML Encoding), EDI Protocol in Healthcare Environments HL7 v2.5 (XML Encoding), EDI Protocol in Healthcare Environments [See Note 3]
MHS	Information Standards	Message Format	Healthcare Business EDI	ANSI X12N Healthcare Administrative Transactions, 270/271, 276/277, 278, 820, 834, 835, 837(D), 837(I), 837(P)
MHS	Information Standards	Message Format	Healthcare Business EDI	NCPDP Telecommunication Standard Implementation Guide v5.1
MHS	Information Standards	Message Format	Healthcare Business EDI	NCPDP Batch Standard and Implementation Guide v1.1
MHS	Information Standards	Message Format	Healthcare Business EDI	HL7 v2.4 (XML Encoding), EDI Protocol in Healthcare Environments HL7 v2.5 (XML Encoding), EDI Protocol in Healthcare Environments [See Note 3]

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System	JTA Service	Category	Service Area	Standard
MHS	Information Standards	Message Format	Healthcare Business EDI	HIBCC Universal Product Number (UPN) System, 1996
MHS	Information Standards	Message Format	Medical Imagery EDI	DICOM:2003
MHS	Information Standards	Message Format	Medical Imagery EDI	ISO/IEC 15444-1:2004 JPEG 2000.
MHS	Data Representation Standards	Information Modeling and Metadata	Object and Data Modeling	FIPS PUB 184, IDEF1X
MHS	Security Standards	Security Standards	Authentication	IETF RFC 1510, Kerberos v5
MHS	Security Standards	Security Standards	Authentication	IETF RFC 4302, IP Authentication Header (AH) [See Note 2]
MHS	Security Standards	Security Standards	Authentication	IETF RFC 3280, Internet X.509 PKI Certificate and Certificate Revocation List (CRL) Profile
MHS	Security Standards	Security Standards	Authentication	W3C XML Signature Syntax and Processing
MHS	Security Standards	Security Standards	Authentication	ISO/IEC 7816 Parts 1, 7 and 10, Contact-Type Smart Card Standards
MHS	Security Standards	Security Standards	Authentication	ISO/IEC 14443:2001 Parts 1, 3 and 4, Contactless-type Smart Card Standards
MHS	Security Standards	Security Standards	Authentication	OASIS Security Assertion Markup Language (SAML) v1.1
MHS	Security Standards	Security Standards	Authentication	OASIS eXtensible Access Control Markup Language (XACML) v2.0
MHS	Security Standards	Security Standards	Authentication	ANSI INCITS 358-2002, BioAPI Specification, Version 1.1
MHS	Security Standards	Security Standards	Authentication	ANSI INCITS 398-2005, (NISTIR 6529A) Common Biometric Exchange File Format (CBEFF)

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System	JTA Service	Category	Service Area	Standard
MHS	Security Standards	Security Standards	Authentication	ANSI/NIST-ITL 1, Data Format for Interchange of Fingerprint, Facial, and SMT Information
MHS	Security	Security Standards	Data Integrity	FIPS PUB 180-2, Secure Hash Standard
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	FIPS PUB 186-2, Digital Signature Standard
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	IETF RFC 2228, FTP Security Extensions [See Note 4]
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	IETF RFC 2246, Transport Layer Security v1.0
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	IETF RFC 2404, HMAC-SHA-1-96 within ESP and AH (An IPsec Standard) [See Note 2]
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	IETF RFC 4303, IP Encapsulating Security Payload (ESP) [See Note 2] IETF RFC 4305, Cryptographic Algorithm Implemtn. Reqmts. for ESP and AH [See Note 2]
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	IETF RFC 2632, S/MIME v3, Certificate Handling
MHS	Security Standards	Security Standards	Data Integrity and Non-repudiation	ITU-T X.509:2000 PKI Framework w. Corrigenda 1 and 2

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System	JTA Service	Category	Service Area	Standard
MHS	Security Standards	Security Standards	Confidentiality	NIST SP 800-67 v1, Triple Data Encryption Algorithm (TDEA) Block Cipher
MHS	Security Standards	Security Standards	Confidentiality	FIPS PUB 197, Advanced Encryption Standard
MHS	Security Standards	Security Standards	Confidentiality	W3C XML Encryption
MHS	Security Standards	Security Standards	Confidentiality	OASIS Web Services Security 1.0
MHS	Security Standards	Security Standards	Certification	FIPS PUB 140-2, Security Requirements for Cryptographic Modules
MHS	Security Standards	Security Standards	Security Management	ISO/IEC 15408, Evaluation Criteria for IT Security (Common Criteria)
MHS	Security Standards	Security Standards	Availability	IETF RFC 2560, Internet X.509 PKI Online Certificate Status Protocol (OCSP)
MHS	Security Standards	Security Standards	Availability	IETF RFC 2587, Internet X.509 PKI LDAP v2 Schema
MHS	Technical Standards	Communications	Collaborative Communications	ITU-T Teleconference Standards for Data: T.120, T.122, T.124, and T.125
MHS	Technical Standards	Communications	Directory Services	IETF RFC 1034 and 1035, Domain Name System (DNS) [See Note 2]
MHS	Technical Standards	Communications	Directory Services	IETF RFC 3596, DNS Extensions to Support IPv6
MHS	Technical Standards	Communications	Directory Services	IETF RFC 2136, DNS Dynamic Updates
MHS	Technical Standards	Communications	Directory Services	IETF RFC 3377, LDAP v3 [See Note 2]
MHS	Technical Standards	Communications	Directory Services	ITU-T X.500:2001, Data Communication Networks Directory [See Note 2]

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System	JTA Service	Category	Service Area	Standard
MHS	Technical	Communications	Internet	IETF Standard 3/RFC 1122/RFC 1123, Requirements for
MHS	Technical Standards	Communications	Internet Transport Services	IETF Standard 7/RFC 793, TCP
MHS	Technical Standards	Communications	Internet Transport Services	IETF RFC 2581, TCP Congestion Control
MHS	Technical Standards	Communications	Internet Transport Services	IETF Standard 9/RFC 959, FTP [See Note 2 & 4.]
MHS	Technical Standards	Communications	Internet Transport Services	IETF Standard 5 (RFC 791, 950, 919, 922, 792, and 1112), Internet Protocol v4 (IPv4) [See Note 2 regarding RFC 792]
MHS	Technical Standards	Communications	Internet Transport Services	IETF RFC 2460, 2461, 2462, 2473, 4291 and 4443 Internet Protocol v6 (IPv6) [See Note 2]
MHS	Technical Standards	Communications	Internet Transport Services	IETF RFC 2131, Dynamic Host Configuration Protocol (DHCP) [See Note 2]
MHS	Technical Standards	Communications	Internet Transport Services	IETF RFC 3376, Internet Group Management Protocol v3 (IGMPv3) [See Note 2]
MHS	Technical Standards	Communications	File Transfer	IETF Standard 9/RFC 959, FTP [See Note 2 & 4]
MHS	Technical Standards	Communications	Electronic Mail	IETF RFC 2428, FTP Extensions for IPv6
MHS	Technical Standards	Communications	Electronic Mail	IETF RFC 1870 and 2821, Simple Mail Transfer Protocol [See Note 2]

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Communications	Electronic Mail	IETF RFC 2822, Internet Message Format
MHS	Technical Standards	Communications	Collaborative Communications	ITU-T Teleconference Standards for Data: T.120, T.122, T.124, and T.125
MHS	Technical Standards	Communications	Directory Services	IETF RFC 1034 and 1035, Domain Name System (DNS) [See Note 2]
MHS	Technical Standards	Communications		IETF RFC 3596, DNS Extensions to Support IPv6
MHS	Technical Standards	Communications		IETF RFC 2136, DNS Dynamic Updates
MHS	Technical Standards	Communications		IETF RFC 3377, LDAP v3 [See Note 2]
MHS	Technical Standards	Communications		ITU-T X.500:2001, Data Communication Networks Directory [See Note 2]
MHS	Technical Standards	Communications	Internet Transport Services	IETF Standard 3/RFC 1122/RFC 1123, Requirements for Internet Hosts
MHS	Technical Standards	Communications		IETF Standard 7/RFC 793, TCP
MHS	Technical Standards	Communications		IETF RFC 2581, TCP Congestion Control
MHS	Technical Standards	Communications		IETF Standard 9/RFC 959, FTP [See Note 2 & 4.]
MHS	Technical Standards	Communications		IETF Standard 5 (RFC 791, 950, 919, 922, 792, and 1112), Internet Protocol v4 (IPv4) [See Note 2 regarding RFC 792]
MHS	Technical Standards	Communications		IETF RFC 2460, 2461, 2462, 2473, 4291 and 4443 Internet Protocol v6 (IPv6) [See Note 2]

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Communications		IETF RFC 2131, Dynamic Host Configuration Protocol (DHCP) [See Note 2]
MHS	Technical Standards	Communications		IETF RFC 3376, Internet Group Management Protocol v3 (IGMPv3) [See Note 2]
MHS	Technical Standards	Communications	File Transfer	IETF Standard 9/RFC 959, FTP [See Note 2 & 4]
MHS	Technical Standards	Communications		IETF RFC 2428, FTP Extensions for IPv6
MHS	Technical Standards	Communications	Electronic Mail	IETF RFC 1870 and 2821, Simple Mail Transfer Protocol [See Note 2]
MHS	Technical Standards	Communications		IETF RFC 2822, Internet Message Format
MHS	Technical Standards	Communications		IETF RFC 2045-2049, MIME Standards
MHS	Technical Standards	Communications		IETF RFC 2231, MIME Extensions
MHS	Technical Standards	Communications	Video Teleconferencing	ITU-T Teleconferencing Standards: H.323:2000 [See Note 2], H.225 [See Note 2], H.245, H.261, H.264, G.711, G.722, G.728, T.81, T.120, T.122, T.124, T.125.
MHS	Technical Standards	Communications	Synchronous Optical Network (SONET)	ANSI T1.105, T1.107, Synchronous Optical Network (SONET) standards
MHS	Technical Standards	Communications	Ethernet Standards	IEEE 802.3-2005, Ethernet Specification
MHS	Technical Standards	Communications	Object Management Services	OMG CORBA Architecture and Specification v3.0

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Communications		W3C Simple Object Access Protocol (SOAP) v1.1
MHS	Technical Standards	Communications	Wireless	IEEE 802.11a, Wireless LAN Specification, 5 GHz Band
MHS	Technical Standards	Communications		IEEE 802.11b, Wireless LAN Specification, 2.4 GHz Band (11 Mbps)
MHS	Technical Standards	Communications		IEEE 802.11g, Wireless LAN Specification, 2.4 GHz Band (54 Mbps)
MHS	Technical Standards	Communications	Virtual LAN (VLAN)	IEEE 802.1q, Virtual LAN (VLAN) Bridges
MHS	Technical Standards	Communications	X.400 Message Handling	ACP 123A:2001 Common Messaging Strategy and Procedures, Ed. A, U.S. Sup. No. 1 [See Note 2]
MHS	Technical Standards	Communications	Web File Sharing	IETF RFC 2616, Hypertext Transfer Protocol - HTTP 1.1 [See Note 2]
MHS	Technical Standards	Communications		IETF RFC 3253, Versioning Extensions to WebDAV
MHS	Technical Standards	Network and Systems Management	Systems Management	IETF Standard 16/RFC 1155/RFC 1212, Structure of Mgmt. Information
MHS	Technical Standards	Network and Systems Management		IETF Standard 15/RFC 1157, Simple Network Management Protocol (SNMP) [See Note 2]
MHS	Technical Standards	Network and Systems Management		IETF Standard 17/RFC 1213, Mgmt. Information Base (MIB)
MHS	Technical Standards	Network and Systems Management		IETF Standard 59/RFC 2819, Remote Network Monitoring MIB

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Network and Systems Management	Network Management	IETF RFC 3411, 3412 and 3413, SNMP v3 [See Note 2]
MHS	Technical Standards	Information Processing	Data Management Services	ISO/IEC 9075 SQL, with amendment 1, 1996 (Entry level)
MHS	Technical Standards	Information Processing		ISO/IEC 9075-2:1999, SQL Part 2: Foundation (SQL/Foundation)
MHS	Technical Standards	Information Processing		ISO/IEC 9075-3:1999, SQL Part 3: Call-Level Interface (SQL/CLI)
MHS	Technical Standards	Information Processing		ISO/IEC 9075-4:1999, SQL Part 4: Persistent Stored Modules (SQL/PSM)
MHS	Technical Standards	Information Processing		ISO/IEC 9075-5:1999, SQL Part 5 SQL/Bindings
MHS	Technical Standards	Information Processing	Graphics Data Interchange	Graphics Interchange Format (GIF), v89a
MHS	Technical Standards	Information Processing		ISO/IEC 8632, Computer Graphics Metafile (CGM) Parts 1 and 3
MHS	Technical Standards	Information Processing		JPEG File Interchange Format v1.02
MHS	Technical Standards	Information Processing	Video Compression	ISO/IEC 11172, MPEG-1, Parts 2 and 3
MHS	Technical Standards	Information Processing		ISO/IEC 13818, MPEG-2, Parts 1 thru 3
MHS	Technical Standards	Information Processing	Document Interchange	W3C Hypertext Transfer Markup Language (HTML) v4.01
MHS	Technical Standards	Information Processing		W3C XML version 1.0 (Third Edition)

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Information Processing		W3C Extensible Hypertext Markup Language (XHTML) v1.1:2004
MHS	Technical Standards	Information Processing		W3C Namespaces in XML v1.1
MHS	Technical Standards	Information Processing		W3C XML Schema Part 1, Structures
MHS	Technical Standards	Information Processing		W3C XML Schema Part 2, Datatypes
MHS	Technical Standards	Information Processing		W3C Extensible Stylesheet Language Transformations (XSLT) v1.0
MHS	Technical Standards	Information Processing		W3C Document Object Model (DOM) Level 1 Specification v1.0
MHS	Technical Standards	Information Processing		W3C Cascading Style Sheets, Level 2 CSS2
MHS	Technical Standards	Information Processing		Web Services Interoperability (WS-I) Basic Profile 1.1
MHS	Technical Standards	Information Processing		W3C Web Services Description Language (WSDL) v1.1
MHS	Technical Standards	Information Processing		W3C RDF Vocabulary Description Language 1.0: RDF Schema
MHS	Technical Standards	Information Processing		W3C RDF/XML Syntax Specification (Revised)
MHS	Technical Standards	Information Processing		OASIS Universal Description, Discovery and Integration (UDDI) v3.0.2
MHS	Technical Standards	Information Processing	Graphics Services	ANSI/ISO/IEC 9636 Computer Graphics-Interfacing (CGI) Parts 1 thru 6
MHS	Technical Standards	Information Processing	Product Identification	EPC Tag Data Standards Version 1.1 Rev.1.24

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System	JTA Service	Category	Service Area	Standard
MHS	Technical Standards	Information Processing		860 - 930 MHz Class 1 RFID Tag RF & Logical Communication Interface Specification
MHS	Technical Standards	Information Processing		RF-Tag Data Format Specification v2.0
MHS	DoD Policies	DoD Policies	DoDD 1000.25, DoD Personnel Identity Protection (PIP) Program, July 19, 2004.	DoD Directive 1000.25, DoD Personnel Identity Protection (PIP) Program, July 19, 2004. <a href="http://www.dtic.mil/whs/directives/corres/html/100025.htm">http://www.dtic.mil/whs/directives/corres/html/100025.htm</a>
MHS	DoD Policies	DoD Policies	Interim Department of Defense (DoD) Certification and Accreditation (C&A) Process Guidance, July 6, 2006.	Interim Department of Defense (DoD) Certification and Accreditation (C&A) Process Guidance, July 6, 2006. <a href="http://iase.disa.mil/ditscap/ditscap-to-diacap.html#diacap">http://iase.disa.mil/ditscap/ditscap-to-diacap.html#diacap</a>
MHS	DoD Policies	DoD Policies	DoDD 6025.13, Medical Quality Assurance, May 4, 2004.	DoD Directive 6025.13, Medical Quality Assurance (MQA) in the Military Health System (MHS), May 4, 2004. <a href="http://www.dtic.mil/whs/directives/corres/html/602513.htm">http://www.dtic.mil/whs/directives/corres/html/602513.htm</a>

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System	JTA Service	Category	Service Area	Standard
MHS	DoD Policies	DoD Policies	DoD 5400.11-R, Department of Defense Privacy Program, August 1983.	DoD 5400.11-R, DoD Privacy Program, August 1983. <a href="http://www.dtic.mil/whs/directives/corres/html/540011r.htm">http://www.dtic.mil/whs/directives/corres/html/540011r.htm</a>
MHS	DoD Policies	DoD Policies	DoD 6025.18-R, DoD Health Information Privacy Regulation, January 24, 2003.	DoD 6025.18-R, DoD Health Information Privacy Regulation, January 24, 2003. <a href="http://www.dtic.mil/whs/directives/corres/html/602518r.htm">http://www.dtic.mil/whs/directives/corres/html/602518r.htm</a>
MHS	DoD Policies	DoD Policies	DoDD 8100.2, Use of Commercial Wireless Devices, April 14, 2004.	DoD Directive 8100.2, Use of Commercial Wireless Devices, Services, and Technologies in the Department of Defense (DoD) Global Information Grid (GIG), April 14, 2004.
MHS	DoD Policies	DoD Policies	DoDD 8500.1, Information Assurance, Oct. 24, 2002.	DoD Directive 8500.1, Information Assurance (IA), October 24, 2002. (Supersedes DoD Directive 5200.28, DoD 5200.28-M, DoD 5200.28-STD, and DoD CIO Memorandum 6-8510.) <a href="http://www.dtic.mil/whs/directives/corres/pdf2/d85001p.pdf">http://www.dtic.mil/whs/directives/corres/pdf2/d85001p.pdf</a>

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System	JTA Service	Category	Service Area	Standard
MHS	DoD Policies	DoD Policies	DoDI 8500.2, Information Assurance Implementation, Feb. 6, 2003.	DoD Instruction 8500.2, Information Assurance (IA) Implementation, February 6, 2003. <a href="http://www.dtic.mil/whs/directives/corres/pdf/i85002_020603/i85002p.pdf">http://www.dtic.mil/whs/directives/corres/pdf/i85002_020603/i85002p.pdf</a>
MHS	DoD Policies	DoD Policies	DoDI 8520.2, Public Key Infrastructure and Public Key Enabling, April 1, 2004.	DoD Instruction 8520.2, Public Key Infrastructure (PKI) and Public Key (PK) Enabling, April 1, 2004. <a href="http://www.dtic.mil/whs/directives/corres/html/85202.htm">http://www.dtic.mil/whs/directives/corres/html/85202.htm</a>
MHS	DoD Policies	DoD Policies	DoDI 8551.1 PPS Management, August 13, 2004.	DoD Instruction 8551.1, Ports, Protocols, and Services Management, August 13, 2004. <a href="http://www.dtic.mil/whs/directives/corres/html/85511.htm">http://www.dtic.mil/whs/directives/corres/html/85511.htm</a>
MHS	DoD Policies	DoD Policies	USD(AT&L)/DoD CIO/Joint Staff Memorandum, DISR Baseline Release 06-2.0, 27 June 2006.	Under Secretary of Defense (AT&L), DoD CIO, and Joint Staff Memorandum, DoD Information Technology Standards Registry Baseline Release 06-2.0, 27 June 2006. <a href="https://disronline.disa.mil/a/DISR/docs/Promulgation_Memo_2006-06-27.pdf">https://disronline.disa.mil/a/DISR/docs/Promulgation_Memo_2006-06-27.pdf</a>

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System	JTA Service	Category	Service Area	Standard
MHS	DoD Policies	DoD Policies	DoD CIO Memorandum, IPv6 Interim Transition Guidance, Sept. 29, 2003.	DoD CIO Memorandum, Internet Protocol Version 6 (IPv6) Interim Transition Guidance, September 29, 2003. <a href="http://www.defenselink.mil/nii/org/cio/doc/IPV6.pdf">http://www.defenselink.mil/nii/org/cio/doc/IPV6.pdf</a>
MHS	DoD Policies	DoD Policies	DoD CIO Memorandum, Internet Protocol v6, June 9, 2003.	DoD CIO Memorandum, Internet Protocol Version 6 (IPv6), June 9, 2003. <a href="http://www.defenselink.mil/nii/org/cio/doc/IPV6.pdf">http://www.defenselink.mil/nii/org/cio/doc/IPV6.pdf</a>
MHS	DoD Policies	DoD Policies	DoD CIO Memorandum, Open Source Software Guidance, May 28, 2003.	DoD CIO Memorandum, Open Source Software (OSS) in the Department of Defense (DoD), May 28, 2003. <a href="http://oss-institute.org/newspdf/DOD-Stenbit-OSS-memo.pdf">http://oss-institute.org/newspdf/DOD-Stenbit-OSS-memo.pdf</a>
MHS	DoD Policies	DoD Policies	DoD CIO Policy for Registration of XML, April 22, 2002.	Under Secretary of Defense (AT&L) and DoD CIO Memorandum, Policy for Registration of Extensible Markup Language (XML), April 22, 2002. <a href="http://www.defenselink.mil/nii/org/cio/doc/xml-22apr2002.pdf">http://www.defenselink.mil/nii/org/cio/doc/xml-22apr2002.pdf</a>
MHS	DoD Policies	DoD Policies	DoD CIO Memorandum, Accessibility of DoD Web Sites, July 21, 2000.	DoD CIO Memorandum, Accessibility of DoD Web Sites to People with Disabilities, July 21, 2000. <a href="http://www.defenselink.mil/c3i/section508/docs/s508moneymemo.html">http://www.defenselink.mil/c3i/section508/docs/s508moneymemo.html</a>

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System	JTA Service	Category	Service Area	Standard
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS Portable Computing Devices Configuration Guidance, 12 April 2006.	MHS CIO Memorandum, MHS Portable Computing Devices Configuration Guidance, 12 April 2006. <a href="http://www.tricare.osd.mil/policy/tma06pol.htm">http://www.tricare.osd.mil/policy/tma06pol.htm</a>
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS Video Teleconference Standards Guidance, 12 April 2006.	MHS CIO Memorandum, MHS Video Teleconference Standards Guidance, 12 April 2006 . <a href="http://www.tricare.osd.mil/policy/tma06pol.htm">http://www.tricare.osd.mil/policy/tma06pol.htm</a>
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS EA Patterns and Components Guidance, June 11, 2003.	MHS Chief Enterprise Architect Memorandum, MHS Enterprise Architecture Patterns and Components, June 11, 2003.
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS Minimum Server Hardware Requirements Guidance, 21 July 2006.	MHS CIO Memorandum, MHS Minimum Server Hardware Requirements, 21 July 2006. <a href="http://www.tricare.osd.mil/policy/tma06/MHS-Minimum-Server-Guidance.pdf">http://www.tricare.osd.mil/policy/tma06/MHS-Minimum-Server-Guidance.pdf</a>
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS Office Automation Requirements Guidance, 21 July 2006.	MHS CIO Memorandum, MHS Office Automation Requirements, 21 July 2006. <a href="http://www.tricare.osd.mil/policy/tma06/MHS-Office-Automation-Guidance.pdf">http://www.tricare.osd.mil/policy/tma06/MHS-Office-Automation-Guidance.pdf</a>

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System	JTA Service	Category	Service Area	Standard
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS PC Hardware Requirements Guidance, 21 July 2006.	MHS CIO Memorandum, MHS Personal Computer Hardware Requirements, 21 July 2006. <a href="http://www.tricare.osd.mil/policy/tma06/MHS-PC-Hardware-Guidance.pdf">http://www.tricare.osd.mil/policy/tma06/MHS-PC-Hardware-Guidance.pdf</a>
MHS	TRICARE Management Activity (TMA) Guidance	TRICARE Management Activity (TMA) Guidance	MHS Operating Systems Guidance, 21 July 2006.	MHS CIO Memorandum, MHS Operating Systems Guidance, 21 July 2006. <a href="http://www.tricare.osd.mil/policy/tma06/MHS-Operating-Systems-Guidance.pdf">http://www.tricare.osd.mil/policy/tma06/MHS-Operating-Systems-Guidance.pdf</a>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
Information Processing Standards					
	User Interface Services	2.5.2.2 User Interface Service—Win32	Win32 APIs, as specified in the Microsoft Platform SDK.	M	IBM pSeries 670 interface servers
	Database Management System (DBMS)	2.5.3 Data Management	International Organization for Standardization (ISO)/International Electro-Technical Commission (IEC) 9075:1992: Information Technology - Database Languages – SQL with amendment 1, 1996, as modified by Federal Information Processing Standard (FIPS) Pub 127-2, Database Language for Relational Database Management System (RDBMS), 1993	M	IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit)
	DBMS	2.5.3 Data Management	ISO/IEC 9075-3: 1995: Information Technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI).	M	IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit)

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	DBMS	2.5.3 Data Management	Information Technology – Database Languages – SQL – Part 1: Framework (SQL/Framework) ISO/IEC DIS 9075 – 2 Information Technology – Database Languages – SQL – Part 2: Foundation (SQL/Foundation). ISO/IEC DIS 9075 – 3 Information Technology – Database Languages – SQL – Part 3: Call - Level Interface (for SQL3) ISO/IEC DIS 9075 – 4 Information Technology – Database Languages – SQL – Part 4: Persistent Stored Modules (SQL/PSM). ISO/IEC DIS 9075 – 5 Information Technology – Database Languages – SQL – Part 5: Host Language Bindings (SQL/Bindings). ISO/IEC DIS 9075 – 10 Information Technology – Database Languages – SQL – Part 10: Object Language Bindings (SQL/OLB).	E	IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit)
	DBMS	2.5.3 Data Management	ANSI X3.135.10-1998: Information technology – Database languages – SQL – Part 10: Object Language Bindings (SQL/OLB).	M	IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit)

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	All Services	2.5.4 Data Management Security	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>FIPS Pub 73, Guidelines for Security of Computer Applications, 30 June 1980.</p> <p>NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.</p>	M	<p>IBM xSeries 365 Authorization Servers</p> <p>IBM xSeries 345 Security Management Console Servers</p>
	Document Interchange Services	2.5.4.1 Document Interchange	<p>HTML 4.0 Specification, W3C Recommendation, revised on 24-Apr-1998, REC-html40-19980424.</p> <p>ISO 8879: 1986, Information processing – Text and office systems – Standard Generalized Markup Language (SGML) with Amendment 1, 1988.</p> <p>Simple Object Access Protocol (SOAP) Version 1.2 Part 1: Messaging Framework W3C Working Draft 26 June 2002</p>	M	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Document Interchange Services	2.5.4.1 Document Interchange	<p>HTML 4.01 Specification, W3C Recommendation, 24 December 1999.</p> <p>Extensible Markup Language (XML) 1.0 (Second Edition), W3C Recommendation, 6 October 2000.</p> <p>XML Schema Part 1: Structures, W3C Recommendation, 2 May 2001.</p> <p>XML Schema Part 2: Datatypes, W3C Recommendation, 2 May 2001.</p>	M	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p>
	Document Interchange Services	2.5.4.1 Document Interchange	<p>Document Interchange Extensible Hypertext Markup Language (XHTML) 1.0: The Extensible HyperText Markup Language: Second Edition, A Reformulation of HTML 4 in XML 1.0, W3C Recommendation, 26 January 2000, revised 1 August 2002.</p>	E	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p>
	Document Interchange Services	2.5.4.3 Graphics Data Interchange	<p>Joint Photographic Experts Group (JPEG) File Interchange Format, Version 1.02, 1 September 1992, C-Cubed Microsystems</p> <p>Graphics Interchange Format (GIF), Version 89a, 31 July 1990, CompuServe Incorporated</p>	M	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p> <p>IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit)</p> <p>IBM pSeries 690 application servers</p> <p>IBM xSeries 360 IDE application servers</p> <p>IBM pSeries 670 interface servers</p>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Document Interchange Services	2.5.4.4.1 Geospatial Data Interchange	FIPS PUB 10-4, Countries, Dependencies, Areas of Special Sovereignty, and Their Principal Administrative Divisions, April 1995 through Change Notice 3, 17 May 1999.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit) IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers
	Document Interchange Services	2.5.4.6 Motion Imagery Data Interchange	ISO/IEC 13818-1:1996, Information Technology – Generic Coding of Moving Pictures and Associated Audio Information – Part 1: Systems (MPEG-2); 1996, with Amendment 1:1997.  ISO/IEC 13818-2:1996, Information Technology – Generic Coding of Moving Pictures and Associated Audio Information – Part 2: Video (MPEG-2); 1996, with Amendment 1:1997.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit) IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers
	Document Interchange Services	2.5.4.8 Data Interchange with Storage Media	ISO 9660:1998, Information processing – Volume and file structure of CD-ROM for information interchange	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit) IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Document Interchange Services	2.5.5 Graphic Services	ANSI/ ISO/ IEC 9636-1,2, 3,4,5,6: 1991 (R1997), Information Technology-Computer Graphics- Interfacing (CGI) Techniques for Dialogue with Graphics Devices	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit) IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers
	Kernel Operations Services	2.5.7 POSIX	IEEE 1003.2d:1994, POSIX - Part 2: Shell and Utilities - Amendment: Batch Environment.  ISO/IEC 9945-1:1996, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C language] (Mandated Services).  ISO/IEC 9945-1:1996:(Thread Extensions) to ISO/IEC 9945-1:1996, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C language] (Thread Optional Services).  ISO/IEC 9945-2:1993, Information Technology POSIX -Part 2: Shell and Utilities, as profiled by	M	Windows NT 4.0 Windows 2000, Sun Solaris 7 and 8 HP-UX 11.00

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Document Interchange Services	2.5.8 Internationalization Services	ISO/IEC 10646-1:1993/Cor1:1996, Cor2:1998, Information Technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane.  ISO/IEC 8859-1:1998, Information Technology – 8-Bit Single-Byte Coded Graphic Character Sets – Part 1: Latin Alphabet No. 1.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 database servers (DB2 UDB 8.1 64-bit) IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers
	All Services	2.6.2.2.1 Application Software Entity Security Standards	DoDD 8500.1, Information Assurance, 24 October 2002	M	IBM xSeries 365 Authorization Servers IBM xSeries 345 Security Management Console Servers Cisco IDS 4250 series BIG IP 540 Load Balancer Symantec Anti-Virus McAfee Anti-Virus Cisco PIX firewalls IBM Tivoli Access Manager WebSeal

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	All Services	2.6.2.2.1 Application Software Entity Security Standards	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>FIPS Pub 73, Guidelines for Security of Computer Applications, 30 June 1980.</p> <p>NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.</p> <p>FIPS Pub 41 - Computer Security Guidelines for Implementing the Privacy Act of 1974.</p> <p>NCSC-TG-021, Version 1, Trusted Database Management System Interpretation, April 1991.</p>	M	<p>IBM xSeries 365 Authorization Servers</p> <p>IBM xSeries 345 Security Management Console Servers</p> <p>Cisco IDS 4250 series</p> <p>BIG IP 540 Load Balancer</p> <p>Symantee Anti-Virus</p> <p>McAfee Anti-Virus</p> <p>Cisco PIX firewalls</p> <p>IBM Tivoli Access Manager</p> <p>WebSeal</p>
	Confidentiality Services	2.6.2.2.2 Operating System Services Security	DoDD 8500.1, Information Assurance, 24 October 2002	M	<p>IBM xSeries 365 Authorization Servers</p> <p>IBM xSeries 345 Security Management Console Servers</p> <p>Cisco IDS 4250 series</p> <p>BIG IP 540 Load Balancer</p> <p>Symantee Anti-Virus</p> <p>McAfee Anti-Virus</p> <p>Cisco PIX firewalls</p> <p>IBM Tivoli Access Manager</p> <p>WebSeal</p>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Confidentiality Services	2.6.2.2.2.2 Operating System Services Security	DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.  Cryptographic Modules, 11 January 1994.  FIPS Pub 191 - Guideline for the Analysis of LAN Security, 9 November 1994.  FIPS Pub 74 - Guideline for Implementing and Using NBS Data Encryption, 1 April 1981.  FIPS Pub 81 - DES Modes of Operation, 2 December 1980.  FIPS Pub 83 - Guideline on User Authentication Techniques for Computer Network Access Control, 29 September 1980.  IEEE 802.10. IEEE Standard for	M	IBM xSeries 365 Authorization Servers IBM xSeries 345 Security Management Console Servers Cisco IDS 4250 series BIG IP 540 Load Balancer Symantec Anti-Virus McAfee Anti-Virus Cisco PIX firewalls IBM Tivoli Access Manager WebSeal Secure Sockets Layer (SSL)
	Confidentiality Services	2.6.3.3.1.1.2.6 Cryptography	FIPS PUB 180-1, "Secure Hash Algorithm," April 1995.	E	IBM xSeries 345 Security Management Console Servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Object Services	2.5.11.1 Distributed-Object Computing	<p>OMG document formal/99-10-07, Common Object Request Broker: Architecture and Specification, Version 2.3.1, October 1999.</p> <p>When a CORBA Object Request Broker (ORB) is used, the following specifications are mandated if the corresponding object service is being implemented:                      OMG document formal/2000-06-19, Naming Service Specification, Version 1.0, April 2000.                      OMG document formal/2000-06-15, Event Service Specification, Version 1.0, June 2000.                      OMG document formal/2000-06-28, Transaction Service Specification, Version 1.1, May 2000.                      OMG document formal/2000-06-26, Time Service Specification, Version 1.0, May 2000.                      OMG document formal/2000-06-27, Trading Object Service Specification, Version 1.0, May 2000.                      OMG document formal/2000-06-20,</p>	M	IBM WebSphere Edge Server
Information Transfer Standards					
	Application Services	3.4.1 Host Standards	Internet Engineering Task Force (IETF) Standard 3/ Request for Comment- (RFC) -1122/RFC-1123, Host requirements, October 1989	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.4.1.1 Electronic Mail	<p>ACP 123 Edition A, Common Messaging Strategy and Procedures, 15 August 1997.</p> <p>ACP 123 Edition A, U.S. Supplement No. 1, Common Messaging Strategy and Procedures, 26 June 2001.</p> <p>IETF Standard 10/Internet Engineering Task Force (IETF): RFC-821/RFC-1869/RFC-1870, Simple Mail Transfer Protocol Service extensions, November 1995</p> <p>IETF RFC 2821, Simple Mail Transfer Protocol, April 2001.</p> <p>IETF RFC 2822, Internet Message Format, April 2001.</p> <p>IETF RFCs 2045-2049, Multipurpose Internet Mail Extensions (MIME) Parts 1-5, November 1996.</p>	M	IBM xSeries 345 Electronic Mail Servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.4.1.10 Transmission Control Protocol	<p>IETF Informational RFC 1770, IPv4 Option for Sender Directed Multi-Destination Delivery, 28 March 1995.</p> <p>IETF RFC 2236, Internet Group Management Protocol, Version 2 (IGMPv2), November 1997.</p> <p>IETF Standard 5/RFC 791/RFC 950/RFC 919/RFC 922/RFC 792/RFC 1112, Internet Protocol, September 1981. In addition, all implementations of IP must pass the 8-bit TOS byte transparently up and down through the transport layer as defined in IETF Standard 3.</p> <p>IETF Standard 35/RFC 1006, ISO Transport Service on top of the TCP, May 1987.</p>	M	IBM WebSphere Edge Server IBM xSeries 365 LDAP Server
	Application Services	3.4.1.2.1 X.500 Directory Services	ITU-T X.500, The Directory – Overview of Concepts, Models, and Services – Data Communications Networks Directory, 1993	M	IBM xSeries 365 LDAP Servers
	Application Services	3.4.1.2.2 Lightweight Directory Access Protocol	IETF RFC-1777, Lightweight Directory Access Protocol, March 1995	M	IBM xSeries 365 LDAP Servers
	Application Services	3.4.1.2.3 Domain Name System	<p>IETF Standard 13/RFC-1034/RFC-1035, Domain Name System, November 1987</p> <p>IETF RFC 2136, Dynamic Updates in the Domain Name System, April 1997.</p>	M	IBM xSeries 345 DNS Servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.4.1.3 File Transfer	IETF Standard 9/RFC-959, File Transfer Protocol (FTP), October 1985, with the following FTP commands mandated for reception: Store unique (STOU), Abort (ABOR), and Passive (PASV)	M	IBM pSeries 670 interface servers IBM xSeries 345 Security Management Console Servers
	Application Services	3.4.1.4 Remote Terminal	IETF Standard 8/RFC-854/RFC-855, TELNET Protocol, May 1983	M	Quest STAT Remote Sync Module
	Application Services	3.4.1.5 Network Time Synchronization	IETF RFC-1305, Network Time Protocol (Version 3) Specification, Implementation, and Analysis, March 1992	M	IBM WebSphere Edge Server
	Application Services	3.4.1.6 Bootstrap Protocol (BOOTP) Service	IETF RFC 1542, Clarifications and Extensions for the Bootstrap Protocol, October 1993.  IETF RFC 2132, DHCP Options and BOOTP Vendor Extensions, March 1997.  IETF RFC 951, Bootstrap Protocol, September 1985.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM pSeries 690 application servers IBM xSeries 360 IDE application servers IBM pSeries 670 interface servers
	Application Services	3.4.1.7 Configuration Information Transfer	IETF RFC 2131, Dynamic Host Configuration Protocol, March 1997.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server
	Application Services	3.4.1.8.1 Hypertext Transfer Protocol	IETF RFC-2616, Hypertext Transfer Protocol – HTTP/1.1, June 1999	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server
	Application Services	3.4.1.8.2 Uniform Resource Locator	IETF RFC-1738, Uniform Resource Locators (URL), 20 December 1994  IETF RFC 2396, Uniform Resource Identifiers (URI), Generic Syntax, August 1998.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.4.1.8.2 Uniform Resource Locator	IETF RFC-1808, Relative Uniform Resource Locators, June 1995.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server
	Application Services	3.4.1.9 Connectionless Data Transfer	MIL-STD-2045-47001B, Connectionless Data Transfer Application Layer Standard, 20 January 1998.	M	Quest STAT Remote Sync Module
	Application Services	3.4.2 Video Teleconferencing Standards	ITU-T G.711, Pulse code modulation 3.1 KHz to 48, 56, and 64 (narrowband speech mode). HAOA , TIMPO ITU-T G.722, Audio CODEC, 7 KHz at 48, 56, and 64 Kbps (wideband speech). HAOA , TIMPO ITU-T G.728, Audio CODEC 3.1 KHz at 16 Kbps (narrowband speech mode). HAOA , TIMPO ITU-T H.221, Frame structure for 64 to 1920 Kbit/s channel in audiovisual services.  ITU-T H.224, Real-time control protocol for simplex applications using the H.221 LSD/HSD/MLP channels.  ITU-T H.230, Frame-synchronous control and indication signals for audiovisual systems.	M	
	Application Services	3.4.3 Facsimile Services	EIA/TIA-465-A, Group 3 Facsimile Apparatus for Document Transmission, June 1995.	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.5.4 Network Quality of Service Standards	ISO/IEC 15802-3, IEEE 802.1D dtd 25 JUN 1998 Information Technology – Telecommunications and Information Exchange between Systems – LAN/MAN – Common Specifications – Part 3: Media Access Control (MAC) Bridges.	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM p690 application servers IBM xSeries 360 IDE application servers
	Application Services	3.6.1 Local Area Network Access	IEEE 802.3u-1995, Supplement to ISO/IEC 8802-3:1993, Local and Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mbps Operation, Type 100BASE-T (Clauses 21-30).  ISO/IEC 8802-3:1996, Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, 10BASE-T Medium-Access Unit (MAU). (Ethernet )  IETF Standard 37/RFC-826, An Ethernet Address Resolution Protocol, November 1982.  IETF Standard 41/RFC-894, Standard for the	M	IBM pSeries 630 Web Servers IBM WebSphere Edge Server IBM p690 application servers IBM xSeries 360 IDE application servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.6.2 Point-to-Point Access	<p>IETF RFC-1332, PPP Internet Protocol Control Protocol (IPCP), May 1992.</p> <p>IETF RFC-1570, PPP LCP Extensions, January 1994.</p> <p>IETF RFC-1989, PPP Link Quality Monitoring (LQM), August 1996.</p> <p>IETF RFC-1994, PPP Challenge Handshake Authentication Protocol (CHAP), August 1996.</p> <p>IETF Standard 51/RFC-1661/RFC-1662, Point-to-Point Protocol (PPP), July 1994.</p> <p>ISO High-level Data Link Control (HDLC).</p> <p>EIA/TIA-232-F, Interface Between Data Terminal Equipment and Data Circuit Terminating</p>	M	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p> <p>IBM p690 application servers</p> <p>IBM xSeries 360 IDE application servers</p>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.6.4 Integrated Services Digital Network	<p>DISA Circular (DISAC) 310-225-1, Defense Switched Network (DSN) User Services Guide, 2 April 1998.</p> <p>ITU-T E.164, Numbering Plan for the ISDN Era, May 1997.</p> <p>ANSI T1.601, ISDN Basic Access Interface for Use on Metallic Loops for Application on the Network Side of the NT (Layer 1 Specification), 1999.</p> <p>ANSI T1.605, ISDN Basic Access Interface for S and T Reference Points - Layer 1 Specification, 1991.</p> <p>ANSI T1.602, ISDN Data Link Signaling Specification for Application at the User Network Interface, 1996.</p>	M	<p>IBM pSeries 630 Web Servers</p> <p>IBM WebSphere Edge Server</p> <p>IBM p690 application servers</p> <p>IBM xSeries 360 IDE application servers</p>

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.6.5 Asynchronous Transfer Mode	<p>ITU-T I.363.1, B-ISDN ATM Adaptation Layer Specification: Type 1 ATM Adaptation Layer (AAL1), August 1996.</p> <p>ITU-T I.363.5, B-ISDN ATM Adaptation Layer Specification: Type 5 ATM Adaptation Layer (AAL5), August 1996.</p> <p>DoD ATM Addressing Plan, 17 April 1998.</p> <p>ATM Forum, af-vtoa-0078.000, Circuit Emulation Service Interoperability Specification, Version 2.0, January 1997.</p> <p>ATM Forum, af-lane-0021.000, Local Area Network Emulation (LANE) Over ATM, Version 1.0, January 1995.</p> <p>ATM Forum, af-lane-0038.000, LAN</p>	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.6.6 Gigabit Ethernet	<p>IEEE 802.3-1998, Edition Information Technology (Clauses 34-42) – Telecommunications and Information Exchange Between Systems—Local and Metropolitan Area Networks—Specific Requirements – Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA)</p> <p>IEEE 802.3ab-1999, Telecommunications and Information Exchange Between Systems – LAN/MAN – Physical Layer Parameters and Specifications for 1000Mb/s Operation over 4-Pair of Category 5 Balanced Copper Cabling, Type 1000BASE-T.</p>	M	
	Application Services	3.7.3 Radio Communications	MIL-STD-188-110B, Interoperability and Performance Standards for Data Modems, 27 April 2000.	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.7.4 Synchronous Optical Network Transmission Facilities	<p>ANSI T1.105, Telecommunications Synchronous Optical Network (SONET) Basic Description Including Multiplex Structure, Rates and formats (ATIS) (Revision and Consolidation of ANSI T1.105-1991 and ANSI T1.105A-1991), 1995.</p> <p>ANSI T1.107 Digital Hierarchy Formats Specifications, 1995.</p> <p>ANSI T1.117, Digital Hierarchy Optical Interface Specifications (SONET) (Single Mode Short Reach), 1991.</p>	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.8.1 Data Communications Management	<p>IETF RFC-1514, Host Resources MIB, September 1993.</p> <p>IETF RFC-1757, Remote Network Monitoring Management Information Base, (RMON Version 1), February 1995.</p> <p>IETF RFC-1850, Open Shortest Path First (OSPF) Version 2 Management Information Base, November 1995.</p> <p>IETF Standard 16/RFC-1155/RFC-1212, Structure of Management Information, May 1990.</p> <p>IETF Standard 17/RFC-1213, Management Information Base, March 1991.</p> <p>IETF Standard 50/RFC-1643, Definitions of Managed Objects for the Ethernet-</p>	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Application Services	3.9 Telecommunications Management	<p>ISO/IEC 9595:1998, Information Technology Open Systems Interconnection Common Management Information Services (CMIS).</p> <p>ISO/IEC 9596-1:1998 Information Technology Open Systems Interconnection Common Management Information Protocol (CMIP) Part 1: Specification.</p> <p>ISO/IEC 9596-2:1993 Information Technology Open Systems Interconnection Common Management Information Protocol (CMIP): Protocol Implementation Conformance Statement (PICS) proforma.</p> <p>ANSI T1.204, OAM&amp;P Lower Layer Protocols for TMN Interfaces Between</p>	M	
Information Modeling, Metadata, and Information Exchange Standards					
	Data Dictionary and Directory Services	4.5.1 Activity Model	IEEE 1320.1:1998, IEEE Standard for Functional Modeling Language-Syntax and Semantics for IDEF0.	M	Rational Suite Analyst

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Data Dictionary and Directory Services	4.5.2 Data Modeling	FIPS PUB 184, Integration Definition for Information Modeling (IDEF1X), December 1993.  DoD Manual 8320.1-M-1, DoD Data Standardization Procedures, April 1998.	M	Rational Suite Analyst AllFusion Erwin Data Modeler Version 4.0
	Computer-Aided Software Engineering (CASE) Tools and Environment Services	4.5.3 Object Modeling	Object Management Group (OMG) Unified Modeling Language (UML) Specification, Version 1.4, September 2001.	E	Rational Suite Analyst
	Data Dictionary and Directory Services	4.7 Data Definitions	Calendar Date: DDDS Counter ID # 195 Format: YYYYMMDD (8-digit contiguous), where: YYYY = year; MM = month; DD = day (Also referenced in ISO 8601, ANSI X3.30, and FIPS 4-1).  Defense Data Dictionary System (DDDS).  DoD Manual 8320.1-M-1, DoD Data Standardization Procedures, April 1998.  Ordinal Date: DDDS Counter ID # 165 Format: YYYYDDD (7-digit contiguous), where: YYYY = year; DDD = ordinal day within year (Also referenced in ISO 8601).  Year Date: DDDS Counter ID #166 Format: YYYY (4-digit contiguous), where: YYYY = year (Also	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Data Interchange Services	4.8.1.2 Character-Based Formatted Messages	MIL-STD-6040, United States Message Text Format (USMTF), 31 March 2002	M	
	Document Interchange Services	4.8.1.3 Binary Floating Data Interchange	American National Standards Institute/Institute of Electrical and Electronics Engineers (ANSI/IEEE) 754 – 1985, IEEE standard for Binary Floating – Point Arithmetic, 21 March 1985	M	
Human-Computer Interface Standards					
	User Interface Services	5.5.1 Graphical User Interface	DoD Human Computer Interface HCI Style Guide, 30 April 1996.  The Windows Interface Guidelines for Software Design, Microsoft Press, 1995.	M	IBM pSeries 630 Web Servers IBM WebSphere
	User Interface Services	5.5.2 Character-Based Interfaces	DoD Human Computer Interface HCI Style Guide, 30 April 1996	M	
	User Interface Services	5.6 Style Guides (Domain Level)	User Interface Specification for the Defense Information Infrastructure (DII), Version 3.0, February 1998.  User Interface Specification for the Defense Information Infrastructure (DII), Version 4.0, October 1999.  User Interface Specification for the Defense Information Infrastructure (DII), Version 4.1, October 3, 2000.	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	User Interface Services	5.6 Style Guides (System Level)	ISO 13407:1999(E), Human-centered design processes for interactive systems, June 1999.	M	
<b>Information Security Standards</b>					
	Confidentiality Services	6.4.1.1 Web Security Standards	Secure Sockets Layer (SSL) Protocol Version 3, 18 November 1996.  IETF- RFC 2246, The Transport Layer Security (TLS) Protocol Version 1.0, January 1999.  IETF RFC 1870, Simple Mail Transfer Protocol Services Extension for Message Size Declaration, November 1995.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Confidentiality Services	6.4.1.2 Certificate Profiles	<p>ACP-120, Allied Communications Publication 120, Common Security Protocol (CSP), Rev A, 7 May 1998.</p> <p>International Telecommunications Union – Telecommunications (ITU-T) ITU-T Recommendation X.411 (1999)/ISO/IEC 10021-4:1999, Information Technology – Open Systems Interconnection – Message Handling Systems (MHS) – Message Transfer System: Abstract Service Definition Procedures.</p> <p>ITU-T Recommendation X.509 (2000)/ISO/IEC 9594-8:2001, Information Technology – Open Systems Interconnection – The Directory: Public Key and Attribute Certificate Frameworks, 2001, with Technical Corrigendum 1:2002, and Technical Corrigendum 2:2002.</p> <p>ITU-T Recommendation X.481 (2000)/ISO/IEC 15816-12:2000.</p>	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Confidentiality Services	6.4.1.2 Certificate Profiles	<p>IETF RFC 2459, Internet X.509 Public Key Infrastructure Certificate and CRL Profile, January 1999, as profiled by TWG-98-07.</p> <p>ITU-T X.509, Information Technology – Open Systems Interconnection – The Directory: Authentication Framework, June 1997, as profiled by IETF RFC 2459.</p> <p>TWG-98-07, Federal PKI X.509 Certificate and CRL Extensions Profile, 9 March 1998, as profiled by DoD Certificate Profile, as defined in X.509 Certificate Policy for the United States Department of Defense, Version 1.5, 13 December 1999.</p> <p>FORTEZZA Interface Control Document, Revision P1.5, 22 December 1994.</p>	M	
	Confidentiality Services	6.4.1.2 Cryptography	<p>IETF RFC 2630, Cryptographic Message Syntax, June 1999.</p> <p>IETF RFC 2632, S/MIME Version 3 Certificate Handling, June 1999; IETF RFC 2633, S/MIME Version 3 Message Specification, June 1999.</p>	M	
	Confidentiality Services	6.4.1.3 Authentication Security Standards	IETF RFC-1510, The Kerberos Network Authentication Service, Version 5, 10 September 1993	M	IBM x365 Authentication and Security Management Servers

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Confidentiality Services	6.4.1.3 Authentication Security Standards	<p>C311, DCE 1.1: Authentication and Security Services, Open Group (OG) CAE Specification, August 1997. Included as part of full definition of OG Distributed Computing Environment (DCE). Other security requirements found in Information Security Standards.</p> <p>C705, DCE 1.1: Directory Services, Open Group CAE Specification, August 1997.</p> <p>C706, DCE 1.1: Remote Procedure Call, Open Group CAE Specification, August 1997.</p> <p>C310, DCE 1.1: Time Services Specification, X/Open CAE Specification, November 1994.</p> <p>CSC-STD-002-85, DoD Password Management</p>	M	IBM x365 Authentication and Security Management Servers
	Object Services	6.4.1.7 Distributed-Object Computing	OMG document formal/01-03-08, Security Services Specification, Version 1.7, March 2001	E	
	Confidentiality Services	6.4.1.7 Security-Auditing and Security-Alarm Reporting	<p>DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.</p> <p>ISO/IEC 10164-8, 1993 Information Technology- Open System Interconnection - Systems Management - Part 8: Security Audit Trail Function (ITU-T X.740)</p>	M	

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	All Services	6.4.2.1 Internetworking Security Standards	Draft FIPS 46-3, Data Encryption Standard (DES).	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	All Services	6.4.2.1 Internetworking Security Standards	FIPS Pub 46-3 - Data Encryption Standard (Triple DES), 25 October 1999. (This replaces DES with Triple DES, as specified in ANSI X9.52).	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	Confidentiality Services	6.4.2.1 Security Algorithms	FIPS PUB 185, SKIPJACK Algorithm, February 1994, NSA, R21-TECH-044-91, 21 May 1991.  R21-TECH-23-94, Key Exchange Algorithm (KEA), NSA, 12 July 1994.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	Confidentiality/N on-Repudiation Services	6.4.2.2 Security Algorithms	FIPS PUB 180-1, Secure Hash Algorithm-01 April 1995	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	Confidentiality Services	6.4.2.3 Security Algorithms	FIPS PUB 186-2, Digital Signature Standard (DSS) Digital Signature Algorithm (DSA), 27 January 2000.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	Confidentiality Services	6.4.2.7 Host Security Standards	FIPS PUB 140-2, Security Requirements for Cryptographic Modules, 25 May 2001.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	All Services	6.5.1 Firewall Service	U.S. Government Application-level Firewall Protection Profile for Low Risk Environments, July 20, 1999.  U.S. Government Traffic Filtering Firewall for Low Risk Environments, Version 1.1, April 1999.	M	Cisco PIX firewalls SmartCenter Pro - Unlimited Gateway CheckPoint VPN-1 Module

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DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	All Services	6.6 Virtual Private Network Service	Virtual Private Network Protection Profile for Protecting Sensitive Information, Version 1.0, 26 February 2000.	M	Cisco PIX firewalls SmartCenter Pro - Unlimited Gateway CheckPoint VPN-1 Module
	All Services	6.6.1 Internetworking Security Standards	IETF RFC 2406 "IP Encapsulating Security Payload (ESP)," November 1998.  IETF RFC 2408, "Internet Security Association and Key Management Protocol (ISAKMP)," November 1998.  IETF RFC 2407, "The Internet IP Security Domain of Interpretation for ISAKMP," November 1998.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	All Services	6.6.1 Internetworking Security Standards	IETF RFC 1770, IPv4 Option for Sender Directed Multi-Destination Delivery, March 1995.  IETF RFC 2236, Internet Group Management Protocol, Version 2 (IGMPv2), November 1997.  IETF Standard 5/RFC 791/RFC 950/RFC 919/RFC 922/RFC 792/RFC 1112, Internet Protocol, September 1981.  IETF RFC-1812, Requirements for IP Version 4 Routers, 22 June 1995.  IETF RFC-2131, Dynamic Host Configuration Protocol, March 1997.  IETF RFC-2132, DHCP Options and BOOTP Vendor Extensions, March 1997.	M	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Authentication Services	6.6.1 Security Protocols	IETF RFC 2402, IP Authentication Header, November 1998.	M	
	Authentication Services	6.6.1 Security Protocols	FIPS Pub 161-2 - Electronic Data Interchange, 22 May 1996.  FIPS PUB 188, Standard Security Label for Information Transfer, 6 September 1994  IEEE 802.10c-1998, Interoperable LAN/MAN Security (SILS) Key Management (Clause 3). Key management on IEEE 802 Local Area Networks (LANs) and Metropolitan Area Networks (MANs) is described and published separately as IEEE 802.10c-1998.  IETF RFC 2311, S/MIME version 2, Message Specification, March 1998.  ITU-T Rec. X.509 (ISO/IEC 9594-8.2). <u>Version 3</u> .	M	
	Confidentiality Services	6.7.1.2 Operational Protocols and Exchange Formats	IETF RFC 2559, Internet X. 509 Public Key Infrastructure Operational Protocols: LDAPv2," April 1999, IETF Proposed Standard.  IETF RFC2587, Internet X. 509 Public Key Infrastructure LDAPv2 Schema," June 1999, IETF Proposed Standard.	E	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Confidentiality Services	6.7.1.3 Management Protocols	IETF RFC 2315, Public Key Cryptography Standard (PKCS) #7, Cryptographic Message Syntax, Version 1.5, March 1998, Informational RFC; IETF RFC 2314, PKCS #10, Certification Request Syntax, Version 1.5, March 1998.	E	Secure Shell (Tivoli Framework) Open SSL Entrust Authority PKI 5.1
	All Services	6.7.3 Intrusion Detection Systems	Intrusion Detection System Analyzer Protection Profile, 30 December 1999.  Intrusion Detection System Scanner Protection Profile, 4 January 2000.  Intrusion Detection System Sensor Protection Profile, 30 December 1999.	M	
	Confidentiality Services	6.8 Evaluation Criteria Security	DoD 5200.28-STD, The DoD Trusted Computer System Evaluation Criteria, December 1985.  FIPS Pub 48 - Guidelines on	M	
Net-Centric Standards					
	Net-Centric	Metadata Standard	Intelligence Community Metadata Standard for Publishing (IC MSP), Data Element Dictionary, Version 1.0, July 5, 2002, published by the Intelligence Community Metadata Working Group.		

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Net-Centric	Code Representation for Naming of Languages	<p>Intelligence Community Metadata Standard for Publishing (IC MSP), Data Element Dictionary, Version 1.0, July 5, 2002, published by the Intelligence Community Metadata Working Group.</p> <p>International Standard ISO 639-1:2002, July 18, 2002, Codes for the representation of names of languages – Part 1: Alpha-2 code</p> <p>International Standard ISO 639-2:1998, November 15, 2002, Codes for the representation of names of languages – Part 2: Alpha-3 code</p>		
	Net-Centric	Code Representation for Naming of Countries	International Standard ISO 3166-1:1998, November 15, 2001, Codes for representation of names of countries and their subdivisions – Part 1: Country Codes		
	Net-Centric	Data Elements and Interchange Formats	International Standard ISO 8601:2000, 2000, Data elements and Interchange Formats -- Information interchange -- Representation of dates and times, published by the International Standard Organization.		

HRM Baseline March 2007 Technical Standards Profile (TV-1)					
DIMHRS Technical Standards					
Service	Service/Area	Category	Standard and Date	Standard Category (Mandatory/Emerging)	Service Technology
	Net-Centric	Metadata Registry	International Standard ISO/IEC 11179-3:2003, March 2003, Information Technology Metadata Registries – Part 3: Registry metamodel and basic attributes, published by the International Standard Organization.		

HRM Baseline March 2007 Technical Standards Profile (TV-1)		
DTS Technical Standards		
JTA Paragraph & Service Area	JTA 4.0 Standard, Title, & Date	Where Used
3.2.1.2 Host Standards	IETF Standard 3/RFC-1122/RFC-1123, Host Requirements, October 1989	Hosts in CDC for SMTP, FTP, DNS
3.2.1.2.1.1 Electronic Mail	IETF Standard 10/RFC-821/RFC-1869/RFC-1870, Simple Mail Transfer Protocol (SMTP) Service Extensions, November 1995	SMTP Mail Servers in CDC (for delivery of traveler and routing notifications)
Electronic Mail		
	IETF Standard 11/RFC-822/RFC-1049, Standard for the Format of ARPA Internet Text Messages, August 13, 1982	SMTP Mail Servers in CDC (for delivery of traveler and routing notifications)
	IETF RFCs 2045-2049, Multipurpose Internet Mail Extensions (MIME) Parts 1-5, November 1996	SMTP Mail Servers in CDC (for delivery of traveler and routing notifications)
3.2.1.2.1.2.2	IETF RFC-1777, Lightweight Directory Access Protocol (LDAP), March 1995	3A, 5B
Lightweight Directory Access Protocol (LDAP)		
3.2.1.2.1.2.3	IETF Standard 13/RFC-1034/RFC-1035 Domain Name System, November 1987	DNS Server in CDC (mail routing)
Domain Name System		
	IETF RFC-2136 Dynamic Updates in the Domain Name System, April 1997	DNS Server in CDC (mail routing)
3.2.1.2.1.3	IETF Standard 9/RFC-959, File Transfer Protocol, October 1985, with the following FTP commands mandated for reception: Store unique (STOU), Abort (ABOR), and Passive (PASV)	1A, 1B, 1C, 1D
File Transfer		3B
		4A, 4B
3.2.1.2.1	IETF Standard 8/RFC-854/RFC-855, Telnet Protocol, May 1983	App Server to GDS Server in CDC
Remote Terminal		
3.2.1.2.1.5	IETF RFC-1305, Network Time Protocol (V3), Specification Implementation and Analysis, March 1992	NTP Servers in CDC for time synchronization.
Network Time Synchronization		
3.2.1.2.1.8.1	IETF RFC-2616, Hypertext Transfer Protocol – HTTP/1.1, June 1999	Web Servers in CDC for Users
Hypertext Transfer Protocol		

HRM Baseline March 2007 Technical Standards Profile (TV-1)		
DTS Technical Standards		
JTA Paragraph & Service Area	JTA 4.0 Standard, Title, & Date	Where Used
3.2.1.2.1.8.2	IETF RFC-1738, Uniform Resource Locators (URL), December 20, 1994	Web Servers in CDC for Users
Uniform Resource Locator		
	IETF RFC-2396, Relative Uniform Identifiers (URI), Generic Syntax, August 1998	Web Servers in CDC for Users
3.2.1.2.2.1	IETF-Standard 7/RFC-793, Transmission Control Protocol, September 1981. In addition, PUSH flag and the NAGLE algorithm, as defined in IETF Standard 3, Host Requirements	1A, 1B, 1C, 1D
Transmission Control Protocol		3A, 3B
		4A, 4B
		All Hosts in CDC
	IETF RFC-2581, TCP Congestion Control, April 1999	All Hosts in CDC
3.2.1.2.2.1.2	IETF Standard 6/RFC-768, User Datagram Protocol, August 28, 1980	All Hosts in CDC
User Datagram Protocol		
3.2.1..2.2.1.3	IETF Standard 5/RFC-791/RFC-950/RFC-919/RFC-922/RFC-792/RFC-1112, Internet Protocol, September 1981. In addition, all implementations of IP must pass the 8-bit type-of-service (TOS) byte transparently up and down through the transport layer as defined in IETF Standard 3, Host Requirements	1A, 1B, 1C, 1D
Internet Protocol		3A, 3B
		4A, 4B
		All Hosts in CDC
3.2.2.1	IETF RFC-1812, Requirements for IP Version 4 Routers, June 22, 1995	All Routers in CDC
Internetworking (Router) Standards		
	IETF Standard 6/RFC-768, User Datagram Protocol, August 28, 1980	All Hosts in CDC
	IETF Standard 7/RFC-793, Transmission Control Protocol, September 1981	1A, 1B, 1C, 1D
		3A, 3B
		4A, 4B
		All Hosts in CDC

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DTS Technical Standards		
JTA Paragraph & Service Area	JTA 4.0 Standard, Title, & Date	Where Used
	IETF Standard 8/RFC-854/RFC-855, TELNET Protocol, May 1983	App Server to GDS Server in CDC
	IETF Standard 13/RFC-1034/RFC-1035, Domain Name System, November 1987	DNS Servers in CDC (Name Resolution)
	IETF Standard 33/RFC-1350, The TFT Protocol Revision 2, July 1992, to be used for initialization only	N/A
3.2.2.1.1	IETF Standard 5/RFC-791/RFC-950/RFC-919/RFC-922/RFC-792/RFC-1112, Internet Protocol, September 1981	1A, 1B, 1C, 1D
Internet Protocol		3A, 3B
		4A, 4B
		All Servers in CDC
3.2.2.1.2.2	IETF RFC-1771, Border Gateway Protocol 4, (BGP-4) March 21, 1995	Border Routers in CDC
Exterior Routers		
	IETF RFC-1772, Application of BGP-4 in the Internet, March 1995	Border Routers in CDC
3.2.2.2.1	ISO/IEC 8802-3: 1996, Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, 10BASE-T Medium-Access Unit (MAU)	All Hosts and Network Devices with 10Mb Interfaces
Local Area Network Access		
	IEEE 802.3u-1995, Supplement to ISO/IEC 8802-3: 1993, Local and Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mbp/s Operation, Type 100BASE-T (Clauses 21-30)	All Hosts and Network Devices with 100Mb Interfaces
	IETF Standard 41/RFC-894, Standard for the Transmission of IP Datagrams Over Ethernet Networks, April 1984	All Hosts and Routers
	IETF Standard 37/RFC-826, An Ethernet Address Resolution Protocol, November 1982	All Hosts and Routers
3.2.2.2.2	IETF Standard 51/RFC-1661/RFC-1662, Point-to-Point Protocol (PPP), July 1994	Dial-in access to CDC
Point-to-Point Standards		
	IETF RFC-1332, PPP Internet Protocol Control Protocol (IPCP), May 1992	Dial-in access to CDC
	IETF RFC-1989, PPP Link Quality Monitoring (LQM), August 16, 1996	Dial-in access to CDC
	IETF RFC-1994, PPP Challenge Handshake Authentication Protocol (CHAP), August 30, 1996	Dial-in access to CDC

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DTS Technical Standards		
JTA Paragraph & Service Area	JTA 4.0 Standard, Title, & Date	Where Used
	IETF RFC-1570, PPP Link Control Protocol (LCP) Extensions, January 1994	Dial-in access to CDC
	EIA/TIA 232-F, Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange, October 1997	All Low Speed Serial interfaces in CDC
	EIA/TIA 530-A, High-Speed 25-Position Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment, Including Alternative 26 Position Connector, December 1998 (This calls out EIA/TIA 422-B and 423-B.)	All High Speed Serial interfaces in CDC
3.2.4.1	IETF Standard 15/RFC-1157, Simple Network Management Protocol (SNMP), May 1990	All Hosts and Network Devices in CDC (Management)
Data		
Communications		
Management		
	IETF Standard 16/RFC-1155/RFC-1212, Structure of Management Information, May 1990	All Hosts and Network Devices in CDC (Management)
	IETF Standard 17/RFC-1213, Management Information Base, March 1991	All Hosts and Network Devices in CDC (Management)
	IETF RFC-1514, Host Resources MIB, September 1993	All Hosts Devices in CDC (Management)
	IETF Standard 50/RFC-1643, Definitions of Managed Objects for the Ethernet-like Interface Types, July 1994	All Network Devices in CDC (Management)
	IETF RFC-1757, Remote Network Monitoring Management Information Base (RMON Version 1), February 1995	All Network Devices in CDC (Management)
3.2.4.2	ITU-T M.3207.1, TMN Management Service: Maintenance Aspects of B-ISDN Management, 1996	Dial-in
Telecommunications		
Management		
6.2.3.1.1.1	FIPS PUB 180-1, Secure Hash Algorithm-1, April 1995	Digital Signature Servers CDC
Security Algorithms		
	FIPS PUB 186-1, Digital Signature Standard (DSS) Digital Signature Algorithm (DSA), December 1998	Digital Signature Servers CDC
	R21-TECH-23-94, Key Exchange Algorithm (KEA), NSA, July 12, 1994	Digital Signature Servers CDC

HRM Baseline March 2007 Technical Standards Profile (TV-1)		
DTS Technical Standards		
JTA Paragraph & Service Area	JTA 4.0 Standard, Title, & Date	Where Used
6.2.3.1.1.2	ITU-T Rec. X-509 (ISO/IEC 9594-8.2), Version 3, The Directory: Authentication Framework, 1997.	Security Protocols, Digital Signature
Security Protocols		
6.3.3.1.1.2.2	ITU-T Rec. X.509 Information Technology – Open Systems Interconnection – The Directory: Authentication Framework, June 1997, as profiled by IETF RFC 2459	3A, 3B
Medium Assurance PKI Certificate Profiles (Emerging Standards)		
	IETF RFC 2459, Internet X.509 Public Key Infrastructure Certificate and CRL Profile, January 1999, as Profiled by TWG-98-07.	3B
	TWG-98-07 Federal PKI X.509 Certificate and CRL Extensions Profile, 9 March 1998, as profiled by DoD Certificate Profile, as defined in X.509 Certificate Policy for the United States Department of Defense, Version 1.5, 13 December 1999.	3B
6.3.3.1.1.2.3	IETF RFC 2559, Internet X.509 Public Key Infrastructure Operational Protocols; LDAPv2, April 1999.	3A
Operational Protocols and Exchange Formats		
	IETF RFC 2587, Internet X.509 Public Key Infrastructure LDAPv2 Schema, June 1999.	3A
6.3.3.2.1	DRAFT-IETF-secsh-architecture-05.txt, Secure Shell (SSH) Protocol Architecture, May 2000	Configuration of access controls and services
Internetworking Security Standards		
Virtual Private Networking	FIPS 140-1, Overall Level 2 Certification, December of 2001	Site-Site VPN Product 'Cisco Systems 2651 with AIM-VPN

HRM Baseline March 2007 Technical Standards Profile (TV-1)		
MHS Technical Standards		
Category/Subcategory	Service	MHS Standards
<b>Information Standards</b>		
Message Format	Clinical Information Electronic Data Interchange (EDI)	HL7 v2.4 (XML Encoding), EDI Protocol in Healthcare Environments HL7 v2.5 (XML Encoding), EDI Protocol in Healthcare Environments [See Note 3]
	Healthcare Business EDI	ANSI X12N Healthcare Administrative Transactions, 270/271, 276/277, 278, 820, 834, 835, 837(D), 837(I), 837 (P) NCPDP Telecommunication Standard Implementation Guide v5.1 NCPDP Batch Standard and Implementation Guide v1.1
		HL7 v2.4 (XML Encoding), EDI Protocol in Healthcare Environments HL7 v2.5 (XML Encoding), EDI Protocol in Healthcare Environments [See Note 3]
	Medical Imagery EDI	HIBCC Universal Product Number (UPN) System, 1996 DICOM:2003 ISO/IEC 15444-1:2004 JPEG 2000.
<b>Data Representation Standards</b>		
Information Modeling and Metadata	Object and Data Modeling	FIPS PUB 184, IDEF1X
<b>Security Standards</b>		
	Authentication	IETF RFC 1510, Kerberos v5
		IETF RFC 4302, IP Authentication Header (AH) [See Note 2]
		IETF RFC 3280, Internet X.509 PKI Certificate and Certificate Revocation List (CRL) Profile
		W3C XML Signature Syntax and Processing
		ISO/IEC 7816 Parts 1, 7 and 10, Contact-Type Smart Card Standards
		ISO/IEC 14443:2001 Parts 1, 3 and 4, Contactless-type Smart Card Standards
		OASIS Security Assertion Markup Language (SAML) v1.1
		OASIS eXtensible Access Control Markup Language (XACML) v2.0
		ANSI INCITS 358-2002, BioAPI Specification, Version 1.1
		ANSI INCITS 398-2005, (NISTIR 6529A) Common Biometric Exchange File Format (CBEFF)
	ANSI/NIST-ITL 1, Data Format for Interchange of Fingerprint, Facial, and SMT Information	
	Data Integrity and Non-repudiation	FIPS PUB 180-2, Secure Hash Standard
		FIPS PUB 186-2, Digital Signature Standard
		IETF RFC 2228, FTP Security Extensions [See Note 4]
IETF RFC 2246, Transport Layer Security v1.0		
IETF RFC 2404, HMAC-SHA-1-96 within ESP and AH (An IPsec Standard) [See Note 2]		
Confidentiality	IETF RFC 4303, IP Encapsulating Security Payload (ESP) [See Note 2] IETF RFC 4305, Cryptographic Algorithm Implemtn. Reqmts. for ESP and AH [See Note 2]	
	IETF RFC 2632, S/MIME v3, Certificate Handling	
	ITU-T X.509:2000 PKI Framework w. Corrigenda 1 and 2	
	NIST SP 800-67 v1, Triple Data Encryption Algorithm (TDEA) Block Cipher	
Certification	FIPS PUB 197, Advanced Encryption Standard	
	W3C XML Encryption	
Security Management	OASIS Web Services Security 1.0	
Availability	FIPS PUB 140-2, Security Requirements for Cryptographic Modules	
	ISO/IEC 15408, Evaluation Criteria for IT Security (Common Criteria)	
		IETF RFC 2560, Internet X.509 PKI Online Certificate Status Protocol (OCSP)
		IETF RFC 2587, Internet X.509 PKI LDAP v2 Schema

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MHS Technical Standards		
Technical Standards		
Communications	Collaborative Communications	ITU-T Teleconference Standards for Data: T.120, T.122, T.124, and T.125
	Directory Services	IETF RFC 1034 and 1035, Domain Name System (DNS) [See Note 2]
		IETF RFC 3596, DNS Extensions to Support IPv6
		IETF RFC 2136, DNS Dynamic Updates
		IETF RFC 3377, LDAP v3 [See Note 2]
		ITU-T X.500:2001, Data Communication Networks Directory [See Note 2]
	Internet Transport Services	IETF Standard 3/RFC 1122/RFC 1123, Requirements for Internet Hosts
		IETF Standard 7/RFC 793, TCP
		IETF RFC 2581, TCP Congestion Control
		IETF Standard 9/RFC 959, FTP [See Note 2 & 4.]
		IETF Standard 5 (RFC 791, 950, 919, 922, 792, and 1112), Internet Protocol v4 (IPv4) [See Note 2 regarding RFC 792]
		IETF RFC 2460, 2461, 2462, 2473, 4291 and 4443 Internet Protocol v6 (IPv6) [See Note 2]
		IETF RFC 2131, Dynamic Host Configuration Protocol (DHCP) [See Note 2]
		IETF RFC 3376, Internet Group Management Protocol v3 (IGMPv3) [See Note 2]
	File Transfer	IETF Standard 9/RFC 959, FTP [See Note 2 & 4.]
IETF RFC 2428, FTP Extensions for IPv6		
Electronic Mail	IETF RFC 1870 and 2821, Simple Mail Transfer Protocol [See Note 2]	
	IETF RFC 2822, Internet Message Format	
	IETF RFC 2045-2049, MIME Standards	

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MHS Technical Standards		
	Video Teleconferencing	IETF RFC 2231, MIME Extensions ITU-T Teleconferencing Standards: H.323:2000 [See Note 2], H.225 [See Note 2], H.245, H.261, H.264, G.711, G.722, G.728, T.81, T.120, T.122, T.124, T.125.
	Synchronous Optical Network (SONET)	ANSI T1.105, T1.107, Synchronous Optical Network (SONET) standards
	Ethernet Standards	IEEE 802.3-2005, Ethernet Specification
	Object Management Services	OMG CORBA Architecture and Specification v3.0 W3C Simple Object Access Protocol (SOAP) v1.1
	Wireless	IEEE 802.11a, Wireless LAN Specification, 5 GHz Band IEEE 802.11b, Wireless LAN Specification, 2.4 GHz Band (11 Mbps) IEEE 802.11g, Wireless LAN Specification, 2.4 GHz Band (54 Mbps)
	Virtual LAN (VLAN)	IEEE 802.1q, Virtual LAN (VLAN) Bridges
	X.400 Message Handling	ACP 123A:2001 Common Messaging Strategy and Procedures, Ed. A, U.S. Sup. No. 1 [See Note 2]
	Web File Sharing	IETF RFC 2616, Hypertext Transfer Protocol - HTTP 1.1 [See Note 2] IETF RFC 3253, Versioning Extensions to WebDAV
Network and Systems Management	Systems Management	IETF Standard 16/RFC 1155/RFC 1212, Structure of Mgmt. Information IETF Standard 15/RFC 1157, Simple Network Management Protocol (SNMP) [See Note 2] IETF Standard 17/RFC 1213, Mgmt. Information Base (MIB) IETF Standard 59/RFC 2819, Remote Network Monitoring MIB
	Network Management	IETF RFC 3411, 3412 and 3413, SNMP v3 [See Note 2]
Information Processing	Data Management Services	ISO/IEC 9075 SQL, with amendment 1, 1996 (Entry level) ISO/IEC 9075-2:1999, SQL Part 2: Foundation (SQL/Foundation) ISO/IEC 9075-3:1999, SQL Part 3: Call-Level Interface (SQL/CLI) ISO/IEC 9075-4:1999, SQL Part 4: Persistent Stored Modules (SQL/PSM) ISO/IEC 9075-5:1999, SQL Part 5 SQL/Bindings
	Graphics Data Interchange	Graphics Interchange Format (GIF), v89a ISO/IEC 8632, Computer Graphics Metafile (CGM) Parts 1 and 3 JPEG File Interchange Format v1.02
	Video Compression	ISO/IEC 11172, MPEG-1, Parts 2 and 3 ISO/IEC 13818, MPEG-2, Parts 1 thru 3
	Document Interchange	W3C Hypertext Transfer Markup Language (HTML) v4.01 W3C XML version 1.0 (Third Edition) W3C Extensible Hypertext Markup Language (XHTML) v1.1:2004 W3C Namespaces in XML v1.1 W3C XML Schema Part 1, Structures W3C XML Schema Part 2, Datatypes W3C Extensible Stylesheet Language Transformations (XSLT) v1.0 W3C Document Object Model (DOM) Level 1 Specification v1.0 W3C Cascading Style Sheets, Level 2 CSS2 Web Services Interoperability (WS-I) Basic Profile 1.1 W3C Web Services Description Language (WSDL) v1.1 W3C RDF Vocabulary Description Language 1.0: RDF Schema W3C RDF/XML Syntax Specification (Revised) OASIS Universal Description, Discovery and Integration (UDDI) v3.0.2
	Graphics Services	ANSI/ISO/IEC 9636 Computer Graphics-Interfacing (CGI) Parts 1 thru 6
	Product Identification	EPC Tag Data Standards Version 1.1 Rev.1.24 860 - 930 MHz Class 1 RFID Tag RF & Logical Communication Interface Specification RF-Tag Data Format Specification v2.0
<b>Section II: Policies &amp; Guidance</b>		
<b>Category</b>	<b>Policy/Guidance</b>	<b>Description</b>
<b>DoD Policies</b>		
	DoDD 1000.25, DoD Personnel Identity Protection (PIP) Program, July 19, 2004.	DoD Directive 1000.25, DoD Personnel Identity Protection (PIP) Program, July 19, 2004. <a href="http://www.dtic.mil/whs/directives/corres/html/100025.htm">http://www.dtic.mil/whs/directives/corres/html/100025.htm</a>
	Interim Department of Defense (DoD) Certification and Accreditation (C&A) Process Guidance, July 6, 2006.	Interim Department of Defense (DoD) Certification and Accreditation (C&A) Process Guidance, July 6, 2006. <a href="http://iase.disa.mil/ditscap/ditscap-to-diacap.html#diacap">http://iase.disa.mil/ditscap/ditscap-to-diacap.html#diacap</a>

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MHS Technical Standards		
DoDD 6025.13, Medical Quality Assurance, May 4, 2004.	DoD Directive 6025.13, Medical Quality Assurance (MQA) in the Military Health System (MHS), May 4, 2004. <a href="http://www.dtic.mil/whs/directives/cores/html/602513.htm">http://www.dtic.mil/whs/directives/cores/html/602513.htm</a>	
DoD 5400.11-R, Department of Defense Privacy Program, August 1983.	DoD 5400.11-R, DoD Privacy Program, August 1983. <a href="http://www.dtic.mil/whs/directives/cores/html/540011r.htm">http://www.dtic.mil/whs/directives/cores/html/540011r.htm</a>	
DoD 6025.18-R, DoD Health Information Privacy Regulation, January 24, 2003.	DoD 6025.18-R, DoD Health Information Privacy Regulation, January 24, 2003. <a href="http://www.dtic.mil/whs/directives/cores/html/602518r.htm">http://www.dtic.mil/whs/directives/cores/html/602518r.htm</a>	
DoDD 8100.2, Use of Commercial Wireless Devices, April 14, 2004.	DoD Directive 8100.2, Use of Commercial Wireless Devices, Services, and Technologies in the Department of Defense (DoD) Global Information Grid (GIG), April 14, 2004.	
DoDD 8500.1, Information Assurance, Oct. 24, 2002.	DoD Directive 8500.1, Information Assurance (IA), October 24, 2002. (Supersedes DoD Directive 5200.28, DoD 5200.28-M, DoD 5200.28-STD, and DoD CIO Memorandum 6-8510.) <a href="http://www.dtic.mil/whs/directives/cores/pdf2/d85001p.pdf">http://www.dtic.mil/whs/directives/cores/pdf2/d85001p.pdf</a>	
DoDI 8500.2, Information Assurance Implementation, Feb. 6, 2003.	DoD Instruction 8500.2, Information Assurance (IA) Implementation, February 6, 2003. <a href="http://www.dtic.mil/whs/directives/cores/pdf/85002_020603/85002p.pdf">http://www.dtic.mil/whs/directives/cores/pdf/85002_020603/85002p.pdf</a>	
DoDI 8520.2, Public Key Infrastructure and Public Key Enabling, April 1, 2004.	DoD Instruction 8520.2, Public Key Infrastructure (PKI) and Public Key (PK) Enabling, April 1, 2004. <a href="http://www.dtic.mil/whs/directives/cores/html/85202.htm">http://www.dtic.mil/whs/directives/cores/html/85202.htm</a>	
DoDI 8551.1 PPS Management, August 13, 2004.	DoD Instruction 8551.1, Ports, Protocols, and Services Management, August 13, 2004. <a href="http://www.dtic.mil/whs/directives/cores/html/85511.htm">http://www.dtic.mil/whs/directives/cores/html/85511.htm</a>	
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