

ATTACHMENT 3

APPLICABLE FEDERAL INFORMATION PROCESSING STANDARDS (FIPS)

12 June 1991

CATEGORY: Hardware

SUB-CATEGORY: Character Recognition

FIPS 32-1 Optical Character Recognition (OCR) Character Sets

FIPS 85 Optical Character Recognition (OCR) Inks

FIPS 89 Optical Character Recognition (OCR) Character Positioning

FIPS 129 Optical Character Recognition (OCR) - Dot ix Character Sets For OCR-MA

SUB-CATEGORY: Interchange Codes, Media, and Data Files

FIPS 1-2 Code for Information Interchange, Its Representations, Subsets and Extensions

FIPS 86 Additional Controls For Use With American National Standard Code for Information Interchange

FIPS 121 Videotex/Teletext Presentation Level Protocol Syntax (North American PLPS)

SUB-CATEGORY: Interface

- FIPS 60-2 Input/Output (I/O) Channel Interface
 - FIPS 61-1 Channel Level Power Control Interface
 - FIPS 62 Operational Specifications for Magnetic Tape Subsystems
 - FIPS 63-1 Operational Specifications for Variable Block Rotating Mass Storage Subsystems
 - FIPS 97 Operational Specifications for Fixed Block Rotating Mass Storage Subsystems
 - FIPS 111 Storage Module Interfaces (with Extensions for Enhanced Storage Module Interfaces)
 - FIPS 130 Intelligent Peripheral Interface (IPI)
 - FIPS 131 Small Computer System Interface (SCSI)
 - FIPS 158 User Interface Component of the Application Portability Profile
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CATEGORY: Software

SUB-CATEGORY: Computer Network Protocols

- FIPS 107 Local Area Networks: Baseband Carrier Sense Multiple Access with Collision Detection Access Method and Physical Layer Specifications and Link Layer Protocol
- FIPS 146-1 Government Open Systems Interconnection Profile (GOSIP)

SUB-CATEGORY: Database

- FIPS 126 Database Language NDL
- FIPS 127-1 Database Language SQL

SUB-CATEGORY: Data Management Applications

- FIPS 156 Information Resources Dictionary System (IRDS)

SUB-CATEGORY: Documentation

- FIPS 30 Software Summary for Describing Computer Programs and Automated Systems
- FIPS 53 Transmittal Form for Describing Computer Magnetic Tape File Properties

SUB-CATEGORY: Electronic Document Interchange

FIPS 152 Standard Generalized Markup Language (SGML)

SUB-CATEGORY: Graphics

FIPS 120-1 Graphical Kernel System (GKS)

FIPS 128 Computer Graphics Metafile (CGM)

FIPS 153 Programmer's Hierarchical Interactive Graphics System (PHIGS)

SUB-CATEGORY: Information Interchange

FIPS 123 Specification for a Data Descriptive File for Information Interchange (DDF)

SUB-CATEGORY: Operating Systems

FIPS 151-1 POSIX: Portable Operating Systems Interface for Computer Environments

SUB-CATEGORY: Programming Languages

FIPS 21-3 COBOL

FIPS 29-2 Interpretation Procedures for Federal Information Processing Standards for Software

FIPS 68-2 BASIC

FIPS 69-1 FORTRAN

FIPS 109 PASCAL

FIPS 119 Ada

FIPS 125 Programming Language Mumps

FIPS 160 C

CATEGORY: Data

SUB-CATEGORY: Representations and Codes (FIPS applicable to the interchange of machine processable data between and among agencies.)

FIPS 4-1 Calendar Date

FIPS 19-1 Catalog of Widely Used Code Sets

FIPS 28 Standardization of Data Elements and Representations

FIPS 58-1 Representation of cal Time of the Day for Information Exchange

FIPS 59 Representations of Universal Time, Local Time Differentials, and United States Time Zone References for Information Exchange

CATEGORY: ADP Operations

SUB-CATEGORY: Computer Security

FIPS 39 Glossary for Computer Systems Security

FIPS 46-1 Data Encryption Standard (DES)

FIPS 81 Data Encryption Standard (DES) Mode of Operation

FIPS 112 Password Usage

FIPS 113 Computer Data Authentication

CATEGORY: Telecommunications

FIPS 16-1 Bit Sequencing of the Code for Information Interchange in Serial-by-Bit Data Transmission (FED-STD 1010)

FIPS 17-1 Character Structure and Character Parity Sense for Serial-by- Bit Data Communication in the Code for Information Interchange (FED-STD 1011)

FIPS 18-1 Character Structure and Character Parity Sense for Parallel-by Bit Data Communication in the Code for Information Interchange (FED-STD 1012)

FIPS 22-1 Synchronous Signaling Rates Between Data Terminal and Data Communication Equipment (FED-STD 1013)

FIPS 71 Advanced Data Communication Control Procedures (ADCCP) (FED-STD 1003A)

- FIPS 78 Implementing Advanced Data Communication Control Procedures (ADCCP)
- FIPS 100-1 Operation Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for with Packet-Switched Data Networks (PSDN), or between two DTEs by Dedicated Circuit
- FIPS 133 Coding and Modulation Requirements for Non-diversity 2400 Bits per Second Modems (FED-STD 1005)
- FIPS 134-1 Coding and Modulation Requirements for Non-diversity 4800 Bits per Second Modems (FED-STD 1006)
- FIPS 135 Coding and Modulation Requirements for Duplex 9600 Bits per Second Modems (FED-STD 1007)
- FIPS 136 Coding and Modulation Requirements for Duplex 600 and 1200 Bits per Second Modems (FED-STD 1008)
- FIPS 137 Analog to Digital Conversion of Voice by 2400 Bit/Second Linear Predictive Coding (FED-STD 1015)
- FIPS 138 Electrical Characteristics of Balanced Voltage Digital Interface Circuits (FED-STD 1020A)
- FIPS 139 Data Interoperability and Security Requirements for Use of the Data Encryption Standard in the Physical Layer of Communications (FED-STD 1026)
- FIPS 140 General Security Requirements for Equipment Using the Data Encryption Standard (FED-STD 1027)
- FIPS 141 Interoperability and Security Requirements for Use of the Data Encryption Standard with CCITT Group 3 Facsimile Equipment (FED-STD 1028)
- FIPS 142 Electrical Characteristics of Unbalanced Voltage Digital Interface Circuits (FED-STD 1030A)
- FIPS 143 General Purpose 37 Position and 9 Position Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment (EIA-RS-449) (FED-STD 1031)
- FIPS 144 Data Communications Systems and Service-user Oriented Performance Parameters (FED-STD 1033)
- FIPS 147 Group 3 Facsimile Apparatus for Document Transmission (FED-STD1062)
- FIPS 148 Procedures for Document Facsimile Transmission (FED-STD 1063)
- FIPS 149 General Aspects of Group 4 Facsimile Apparatus (EIA-536-1988) (FED-STD 1064)
- FIPS 150 Facsimile Coding Schemes and Coding Control Functions for Group 4 Facsimile Apparatus (EIA-538-1988) (FED-STD 1065)
- FIPS 154 High Speed 25 Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment (EIA-530-1987) (FED-STD1032)
- FIPS 155 Data Communication Systems and Services User-Oriented Performance Measurement Methods (FED-STD 1043)

FED-STD 1001 Synchronous High Speed Data Signalling Rates Between Data Terminal Equipment and Data
Communication Equipment

FED-STD 1002 Time and Frequency Reference Information in Telecommunication Systems

FED-STD 1061 Group 2 Facsimile Apparatus for Document Transmission

CATEGORY: Conformance Tests

FIPS 122 Conformance Tests for FIPS 100 Version of CCITT 1980 Recommendation X.25