Amendments to ANSI X3.138-1988

On the third page of the foreword, add "Dana Marks" to list of Technical Committee X3H4 members.

On page 1-vii, line 16 from top, delete entry for 10.3.9. NOTE: See 1-375 below.

On page 1-23, delete line 23 from top.

On page 1-27, line 15 from bottom replace "... for an entity can defined..." with "... for an entity can be defined ..."

On page 1-29, line 1 from top, replace "(i) The entity's assigned-access-name ..." with "(i) The entity's access-name ..."

On page 1-35, after line 13 from bottom, insert "I date-time-literal 4.2"

On page 1-48, line 3 from top, replace "... See General Rule (7)." with "... See General Rule (6)."

On page 1-54, delete lines 4 and 5 from top.

On page 1-54, line 9 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED";

line 7 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

An American National Standard implies a consensus of those substantially concerned with its scope and provisions. An American National Standard is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an American National Standard does not in any respect preclude anyone, whether he has approved the standard or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standard. American National Standards are subject to periodic review and users are cautioned to obtain the latest editions.

The American National Standards Institute does not develop standards and will in no circumstances give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute.

CAUTION NOTICE: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken to reaffirm, revise, or withdraw this standard no later than five years from the date of approval. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.
On page 1-58, line 2 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 1-60, line 12 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 1-61, line 2 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 1-63, line 5 from top, replace "(3) Meta-entity-assigned-access-name..." with "(3) Existing-meta-entity-assigned-access-name ...";

On page 1-65, line 3 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED";

On page 1-68, line 11 from bottom, replace "... specified in meta-entity-list shall be" with "... specified in meta-entity-name-list shall be"

On page 1-71, line 8 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 1-85, delete lines 13 and 14 from bottom;

On page 1-86, line 1 from top, replace "(9) ..." with "(8) ...";

On page 1-99, line 14 from bottom, replace "... General Rule (5) has been violated." with "... Syntax Rule (2) or General Rule (5) has been violated."

On page 1-100, lines 8, 9, and 10 from bottom, replace "If specified, using IRD-views-clause shall restrict the selection of entities which shall be included in the entity-list. No entity within the list shall be selected unless it is visible in at least one of the specified IRD-Views." with "If specified, using IRD-views-clause shall restrict the selection of entities. No entity shall be selected unless it is visible in at least one of the specified IRD-Views."

On page 1-101, replace first paragraph of Action (2) with "Entities shall be selected. If sort-clause is specified, any additional IRD information used to sort the entities shall also be obtained."

On page 1-123, delete line 16 from top, lines 1, 2, and 3 from bottom.

On page 1-124, line 1 from top, replace "(c)" with "(b)";

line 4 from top, replace "(d)" with "(c)"

ANSI X3.138A-1991
On page 1-136, after line 12 from top, add the following:

(12) Error E01217: Attribute-group-type specified more than once in command. General Rule (1) of this command has been violated.

On page 1-137, after line 12 from top, add the following:

(3) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.

(4) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.

(5) Increment shall not be zero;

line 17 from top, insert at end "If line-number-defaults is specified, and start and/or increment are null, then start and/or increment will be assigned implementation-dependent default values."

On page 1-138, after line 16 from top, add the following:

(9) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (3) of this command-clause has been violated.

(10) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (4) or (5) of this command-clause has been violated.

On page 1-150, after line 8 from bottom, add the following:

(5) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.

(6) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.

(7) Increment shall not be zero.

On page 1-152, after last line, add the following:

(11) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (5) of this command-clause has been violated.

(12) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (6) or (7) of this command-clause has been violated.

On page 1-186, delete line 19 from top;

line 1 from bottom, replace "E(s) is an entity specified in the command-clause or in the specified list." with "E(s) is an entity specified in the command-clause."

On page 1-219, line 6 from bottom, replace "[ new-..." with "[, new-...

On page 1-220, line 7 from bottom, replace "[ modified-..." with "[, modified-...

On page 1-226, after line 5 from top, add the following:

(3) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.

(4) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.
(5) Increment shall not be zero; line 10 from top, insert at end "If line-number-defaults is specified, and start and/or increment are null, then start and/or increment will be assigned implementation-dependent default values."

On page 1-227, after line 10 from top, add the following:
(8) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (3) of this command-clause has been violated.
(9) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (4) or (5) of this command-clause has been violated.

On page 1-235, after line 17 from top, add the following:
(5) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.
(6) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.
(7) Increment shall not be zero.

On page 1-237, after line 11 from bottom, add the following:
(12) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (5) of this command-clause has been violated.
(13) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (6) or (7) of this command-clause has been violated.

On page 1-244, line 4 from top, replace "can" with "are"

On page 1-265, line 11 from bottom, replace

6.19  6.21
with
6.7  6.11  6.19  6.21  6.109  6.112;

line 9 from bottom, replace

6.20
with
6.7  6.11  6.20  6.109  6.112

On page 1-268, line 5 from bottom, replace

6.5  6.9
with
6.5  6.6  6.9

On page 1-301, line 3 from bottom, replace "A list of variation-names for the entity-type being added" with "A list of variation-names for entities of the entity-type being added."

On page 1-326, replace current text of (7) with

(7) Format. Each meta-attribute-type shall have one of five possible formats: integer (I), string (S), text (TE), date (D), or time (Tt). Integer meta-attribute-types have valid values which can be specified as unsigned integers. String meta-attribute-types have values which can be either irds-names or short-string-literals. Text meta-attribute-types
are composed of one to an implementation-dependent maximum num-
ber of lines of text. Each line of text has a unique line-number. Date
meta-attribute-types have values represented by the mask CCYYM-
MDD. Time meta-attribute-types have values represented by the mask
HHMMS.

NOTE: This correction ensures the consistency of the format of meta-attribute-
type descriptions with the FORMAT meta-attribute-type itself;

line 4 from bottom, replace "... if the format is numeric or string." with "if the for-
mat is not text.";

line 2 from bottom, replace "... the format is numeric or string." with "the format
is not text."

On page 1-328, line 8 from bottom, replace "T N/A ..." with "TE N/A ..."

On page 1-329, last line, replace "N 1 ..." with "I 1 ..."

On page 1-330, line 16 from top, replace "Identifies those meta-entities which ..." with "Identifies
those meta-entities and meta-relationships which ...";

line 19 from bottom, replace "... allowed for numeric attribute-types." with "... allowed for integer attribute-types.");

line 12 from bottom, replace "N 5 ..." with "I 5 ...";

line 8 from bottom, replace "N 5 ..." with "I 5 ..."

On page 1-332, line 3 from top, replace "N 2 ..." with "I 2 ...";

line 14 from bottom, replace "N 1 ..." with "I 1 ...";

last line, replace "N 1 ..." with "I 1 ..."

On page 1-333, line 12 from top, replace "N 2 ..." with "I 2 ...";

line 23 from top, replace "N 2 ..." with "I 2 ...";

line 9 from bottom, replace "N 2 ..." with "I 2 ..."

On page 1-334, line 4 from top, replace "N 2 ..." with "I 2 ...";

line 15 from top, replace "N 2 ..." with "I 2 ...";

line 17 from bottom, replace "N 2 ..." with "I 2 ...";

line 5 from bottom, replace "N 2 ..." with "I 2 ..."

On page 1-335, line 8 from top, replace "N 1 ..." with "I 1 ...";

line 19 from top, replace "N 1 ..." with "I 1 ...";

line 14 from bottom, replace "N 3 ..." with "I 3 ...

On page 1-336, line 12 from top, replace "N 1 ..." with "I 1 ...";

line 25 from top, replace "N 1 ..." with "I 1 ...";

line 7 from bottom, replace "N 1 ..." with "I 1 ...

On page 1-337, line 7 from top, replace "N 1 ..." with "I 1 ...";

line 19 from top, replace "N 1 ..." with "I 1 ...";

line 7 from bottom, replace "N 1 ..." with "I 1 ...

On page 1-338, line 6 from top, replace "N 1 ..." with "I 1 ..."
On page 1-339, line 19 from bottom, replace "N 1 ..." with "I 1 ...";
line 8 from bottom, replace "T N/A ..." with "TE N/A ..."

On page 1-342, line 13 from top, replace "N 1 ..." with "I 1 ...

On page 1-343, line 19 from bottom, replace "N 2 ..." with "I 2 ...";
line 3 from bottom, replace "S 8 ..." with "D 8 ..."

On page 1-345, last line, replace "S 6 ..." with "TI 6 ..."

On page 1-347, line 5 from top, replace "N 1 ..." with "I 1 ...

On page 1-351, line 4 from top, replace "Meta-Entity Type" with "Meta-Relationship Type"

On page 1-353, line 2 from top, replace "... Meta-Attribute-Type ..." with "... Meta-Attribute-Group ...

delete the last line.

On page 1-354, line 2 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-
MODIFIED"

On page 1-364, line 2 from bottom, end line with close-quotation-mark.

On page 1-365, before line 16 from bottom, add the following:

COMMON-TO-ENTITY-TYPES

On page 1-366, lines 17-19 from top, replace
Implementation
  Lock  ...  OFF
with
Common To Implementation
Entity-types  Lock  ...  OFF
  YES  OFF

lines 10-12 from bottom, replace
Implementation
  Lock  ...  OFF
with
Common To Implementation
Entity-types  Lock  ...  OFF
  YES  OFF

On page 1-367, line 13 from bottom, replace "Validation-Type value" with "Validation-Type value"

On page 1-373, line 5 from bottom, replace "..., where the meta-entity of type..." with "..., where
the meta-attribute of type..."

On page 1-375, delete section 10.3.9. NOTE: Section 10.3.9 is a duplicate of the correctly locat-

On page 1-390, column 2, after line 15 from top, add the following:

date-time-literal

On page 2-8, line 15 from top, delete " , DOC-CON-IN-DOC";
line 15 from bottom, delete " , ELE-CON-IN-DOC";
line 2 from bottom, delete " , REC-CON-IN-DOC"

ANSI X3.138A-1991
On page 2-9, line 12 from top, delete " , DOC-PRD-DOC";
line 20 from bottom, delete " , FIL-PRD-DOC";
line 13 from bottom, replace "Document-derived-from-record" with "Document Derived From Record";
line 7 from bottom, delete " , REC-PRD-DOC"

On page 2-10, line 7 from top, delete " , ELE-CON-IN-ELE";
line 20 from top, delete " , DOC-PRD-ELE";
line 12 from bottom, delete " , ELE-PRD-ELE"

On page 2-11, line 2 from top, delete " , FIL-PRD-ELE";
line 15 from top, delete " , REC-PRD-ELE";
line 17 from bottom, delete " , ELE-ST-OF-ELE";
line 4 from bottom, delete " , DOC-CON-IN-FIL"

On page 2-12, line 10 from top, delete " , ELE-CON-IN-FIL";
line 20 from bottom, delete " , FIL-CON-IN-FIL";
line 7 from bottom, delete " , REC-CON-IN-FIL"

On page 2-13, line 7 from top, delete " , DOC-PRD-FIL";
line 20 from top, delete " , FIL-PRD-FIL";
line 12 from bottom, delete " , ELE-A-K-OF-FIL"

On page 2-14, line 2 from top, delete " , ELE-S-K-OF-FIL";
line 15 from top, delete " , MDL-CLD-BY-MDL";
line 17 from bottom, delete " , MDL-CON-IN-MDL";
line 4 from bottom, delete " , MDL-FR-MDL"

On page 2-15, line 10 from top, delete " , DOC-PR-BY-MDL";
line 20 from bottom, delete " , ELE-PR-BY-MDL";
line 7 from bottom, delete " , FIL-PR-BY-MDL"

On page 2-16, line 7 from top, delete " , REC-PR-BY-MDL";
line 20 from top, delete " , MDL-CLD-BY-PGM";
line 12 from bottom, delete " , PGM-CLD-BY-PGM"

On page 2-17, line 2 from top, delete " , MDL-CON-IN-PGM";
line 15 from top, delete " , PGM-CON-IN-PGM";
line 17 from bottom, delete " , PGM-FR-PGM";
line 4 from bottom, delete " , DOC-PR-BY-PGM"

On page 2-18, line 10 from top, delete " , ELE-PR-BY-PGM";
line 23 from top, delete " , FIL-PR-BY-PGM";
line 7 from bottom, delete " , REC-PR-BY-PGM"

On page 2-19, line 7 from top, delete " , ELE-CON-IN-REC";

ANSI X3.138A-1991
line 20 from top, delete ", REC-CON-IN-REC";
line 12 from bottom, delete ", DOC-PRD-REC"

On page 2-20,
line 2 from top, delete ", FIL-PRD-REC";
line 15 from top, delete ", REC-PRD-REC";
line 17 from bottom, delete ", MDL-CON-IN-SYS";
line 4 from bottom, delete ", PGM-CON-IN-SYS"

On page 2-21,
line 10 from top, delete ", SYS-CON-IN-SYS";
line 20 from bottom, delete ", SYS-FR-SYS";
line 7 from bottom, delete ", DOC-PR-BY-SYS"

On page 2-22,
line 7 from top, delete ", ELE-PR-BY-SYS";
line 20 from top, delete ", FIL-PR-BY-SYS";
line 12 from bottom, delete ", REC-PR-BY-SYS"

On page 2-23,
line 2 from top, delete ", DOC-PR-BY-USR";
line 15 from top, delete ", ELE-PR-BY-USR";
line 17 from bottom, delete ", FIL-PR-BY-USR";
line 4 from bottom, delete ", REC-PR-BY-USR"

On page 2-24,
line 10 from top, delete ", DOC-R-OF-USR";
line 20 from bottom, delete ", ELE-R-OF-USR";
line 7 from bottom, delete ", FIL-R-OF-USR"

On page 2-25,
line 7 from top, delete ", MDL-R-OF-USR";
line 20 from top, delete ", PGM-R-OF-USR";
line 12 from bottom, delete ", REC-R-OF-USR"

On page 2-26,
line 2 from top, delete ", SYS-R-OF-USR";
line 15 from top, delete ", MDL-RUN-BY-USR";
line 17 from bottom, delete ", PGM-RUN-BY-USR";
line 4 from bottom, delete ", SYS-RUN-BY-USR"

On page 2-27,
line 4 from bottom, delete ", CLD-BY"

On page 2-28,
line 10 from top, delete ", CON-IN";
line 20 from bottom, delete ", PRD";
line 7 from bottom, delete ", FR"

On page 2-29,
line 7 from top, delete ", PR-BY";
line 20 from top, delete ", R-OF";

On page 2-31,
line 18 from bottom, replace "YES STRING ..." with "NO STRING ...";
line 4 from bottom, replace "YES STRING ..." with "NO STRING ..."

On page 2-39,
before line 4 from bottom, insert
COMMON-TO-ENTITY-TYPES

ANSI X3.138A-1991
On page 2-40, lines 14-16 from top, replace
Implementation
   Lock          OFF
   ...           ...

with
Common To Implementation
   Entity-Types Lock          OFF
   YES             ...         ...

lines 14-16 from bottom, replace
Implementation
   Lock          OFF
   ...           ...

with
Common To Implementation
   Entity-Types Lock          OFF
   YES             ...         ...

lines 1-3 from bottom, replace
Implementation
   Lock          OFF
   ...           ...

with
Common To Implementation
   Entity-Types Lock          OFF
   YES             ...         ...

On page 4-22, first line, replace "MODIFIED-BY" with "LAST-MODIFIED-BY";
line 3 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 4-35, line 21 from top, replace "MODIFIED-BY" with "LAST-MODIFIED-BY";
line 12 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 5-36, delete line 5 from bottom.


This change notice should be filed with FIPS PUB 156.

Attachment

Copies of FIPS PUBS are available from:

National Technical Information Service (NTIS)
Attn: Sales Office, Sills Building
5285 Port Royal Road
Springfield, VA 22161

Phone - 703/487-4650

Office Hours - 7:45 a.m. to 4:15 p.m.
Part IV

Department of Commerce

Semiannual Regulatory Agenda

***********************

This Federal Register notice provides information on the status of planned, proposed, and completed Federal Information Processing Standards (FIPS) that are developed by the National Institute of Standards and Technology (NIST).

***********************
DEPARTMENT OF COMMERCE (DOC)

Office of the Secretary

13 CFR Ch. III
19 CFR Ch. III
37 CFR Chs. I, IV, and V
48 CFR Ch. 13
50 CFR Chs. II, III, and VI

SEMIAL NNU Agenda of Regulations

AGENCY: Office of the Secretary, Commerce.

ACTION: October 1993 regulatory agenda.

SUMMARY: In compliance with Executive Order (E.O.) 12291 entitled “Federal Regulation” and the Regulatory Flexibility Act (Pub. L. 96-354), the Department of Commerce, in April and October of each year, publishes in the Federal Register an agenda of the rulemaking actions covered by section 1 of E.O. 12291 that the Department plans to conduct or review over the next 12 months. Rulemaking actions are grouped according to prerulemaking, proposed rules, final rules, and rulemaking actions completed since the April 1993 agenda. The purpose of the agenda is to provide information to the public on regulations currently under review, being proposed, or issued by the Department. The agenda is intended to facilitate comments and views by interested members of the public.

The Department’s October 1993 regulatory agenda includes regulatory activities that are expected to be conducted during the period October 1, 1993, through September 30, 1994.

FOR FURTHER INFORMATION CONTACT:

Specific: For additional information about specific regulatory actions listed in the agenda, contact the individual identified as the contact person.

General: Comments or inquiries of a general nature about the agenda should be directed to Michael A. Levitt, Assistant General Counsel for Legislation and Regulation, U.S. Department of Commerce, Washington, DC 20230; telephone: 202-482-0846.

SUPPLEMENTARY INFORMATION: E.O. 12291 requires all executive agencies to publish semiannually an agenda of those regulations that are under consideration pursuant to this order. By memorandum of June 14, 1993, the Office of Management and Budget (OMB) issued guidelines and procedures for the preparation and publication of the October 1993 Unified Agenda of Federal Regulations. The Regulatory Flexibility Act, 5 U.S.C. 602(a), requires agencies to publish, in April and October of each year, a regulatory flexibility agenda which contains a brief description of the subject area of any rule which is likely to have a significant economic impact on a substantial number of small entities.

Explanation of Information Contained in the Agenda

Within the Department, the Office of the Secretary and various operating units may issue regulations. Operating units, such as the Economic Development Administration, the Bureau of Export Administration, the International Trade Administration, the National Institute of Standards and Technology (NIST), the National Oceanic and Atmospheric Administration (NOAA), and the Patent and Trademark Office, issue the greatest share of the Department’s regulations.

A large number of regulatory actions reported in the agenda are proposed or final Federal Information Processing Standards (FIPS) issued by NIST under Public Law 100-235. FIPS consist of standards and guidelines to improve Federal Government use and management of computers and information technology. The standards, while often of great use to industry and the public, apply only to the Federal Government. In developing the standards and guidelines and in providing technical guidance and coordination to Federal agencies, NIST works closely with private industry standard-setting organizations.

Another large number of regulatory actions reported in the agenda deal with fishery management programs of NOAA’s National Marine Fisheries Service (NMFS). To avoid repetition of programs and definitions, as well as to provide some understanding of the technical and institutional elements of the NMFS programs, a section on “Explanation of Information Contained in NMFS Regulatory Entries” is provided below.

Explanation of Information Contained in NMFS Regulatory Entries

The Magnuson Fishery Conservation and Management Act of 1976 (16 U.S.C. 1801 et seq.) (Act) governs the management of fisheries within the Exclusive Economic Zone (EEZ). The EEZ refers to those waters from the outer edge of the State boundaries, generally 3 nautical miles, to a distance of 200 nautical miles. Fishery Management Plans (FMPs) are to be prepared for fisheries which require conservation and management measures. Regulations implementing these FMPs regulate domestic fishing and foreign fishing where permitted. Foreign fishing can be conducted in a fishery for which there is no FMP or if a preliminary fishery management plan has been issued to govern that foreign fishing. Under the Act, eight Regional Fishery Management Councils (Councils) prepare FMPs or amendments to FMPs for fisheries within their respective areas. In the development of such plans or amendments and their implementing regulations, the Councils are required by law to conduct public hearings on the draft plans and to consider the use of alternative means of regulating.

The Council process for developing FMPs and amendments makes it difficult for NMFS to determine the significance and timing of some regulatory actions under consideration by the Councils at the time the semiannual regulatory agenda is published.

The DOC October 1993 regulatory agenda follows.

Dated: August 25, 1993

Carol C. Darr,

Acting General Counsel.
<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Title</th>
<th>Regulation Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>509</td>
<td>FIPS for POSIX System Administration</td>
<td>0993-A971</td>
</tr>
<tr>
<td>510</td>
<td>FIPS for IRDS Export/Import File Format</td>
<td>0993-A976</td>
</tr>
<tr>
<td>511</td>
<td>Proposed Revision of FIPS 71, Advanced Data Communication Control Procedures (ADCCP)</td>
<td>0993-A998</td>
</tr>
<tr>
<td>512</td>
<td>Proposed FIPS for ODA Raster DAP</td>
<td>0993-A9312</td>
</tr>
<tr>
<td>513</td>
<td>Revision of FIPS 177, Initial Graphics Exchange Specification (IGES)</td>
<td>0993-A9313</td>
</tr>
<tr>
<td>514</td>
<td>Proposed FIPS for Administration Standards for the Telecommunications Infrastructure of Federal Buildings</td>
<td>0993-A9314</td>
</tr>
</tbody>
</table>
### National Institute of Standards & Technology—Proposed Rule Stage (Continued)

<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Title</th>
<th>Regulation Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>515</td>
<td>National Voluntary Laboratory Accreditation Program</td>
<td>0693-AB15</td>
</tr>
<tr>
<td>516</td>
<td>National Voluntary Conformity Assessment Systems Evaluation</td>
<td>0693-AB17</td>
</tr>
<tr>
<td>517</td>
<td>Proposed Revision of FIPS 173, Spatial Data Transfer Standard (SDTS)</td>
<td>0693-AB18</td>
</tr>
<tr>
<td>518</td>
<td>FIPS for Open Document Architecture (ODA), Interchange Format, Language, and Associated Profiles</td>
<td>0693-AB21</td>
</tr>
</tbody>
</table>

### National Institute of Standards & Technology—Final Rule Stage

<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Title</th>
<th>Regulation Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>519</td>
<td>Revision of FIPS 140, General Security Requirements for Equipment Using the Data Encryption Standard</td>
<td>0693-AA68</td>
</tr>
<tr>
<td>520</td>
<td>FIPS for POSIX Shell and Utility Application Interface for Computer Operating Systems Environments</td>
<td>0693-AA70</td>
</tr>
<tr>
<td>521</td>
<td>FIPS for Digital Signature Standard</td>
<td>0693-AA86</td>
</tr>
<tr>
<td>522</td>
<td>Fastener Quality</td>
<td>0693-AA90</td>
</tr>
<tr>
<td>523</td>
<td>FIPS for Automated Password Generator</td>
<td>0693-AA94</td>
</tr>
<tr>
<td>524</td>
<td>Proposed FIPS for ISDN</td>
<td>0693-AA96</td>
</tr>
<tr>
<td>526</td>
<td>Procedures for Registering Computer Security Objects</td>
<td>0693-AB02</td>
</tr>
<tr>
<td>527</td>
<td>FIPS for Standard Page Description Language</td>
<td>0693-AB03</td>
</tr>
<tr>
<td>528</td>
<td>FIPS for Integration Definition for Function Modeling (IDEF0) and Integration Definition for Information Modeling (IDEF1X)</td>
<td>0693-AB07</td>
</tr>
<tr>
<td>529</td>
<td>Proposed Reaffirmation of FIPS 46-1, Data Encryption Standard (DES)</td>
<td>0693-AB09</td>
</tr>
<tr>
<td>530</td>
<td>Proposed Revision of FIPS 158, the User Interface Component of the Applications Portability Profile</td>
<td>0693-AB10</td>
</tr>
<tr>
<td>531</td>
<td>Advanced Technology Program</td>
<td>0693-AB16</td>
</tr>
<tr>
<td>532</td>
<td>A Proposed FIPS for an Escrowed Encryption Standard (EES)</td>
<td>0693-AB19</td>
</tr>
<tr>
<td>533</td>
<td>Withdrawal-of FIPS 30 and FIPS 53 Which Provided Standard Forms for Describing Computer Programs and Computer Magnetic Tape</td>
<td>0693-AB20</td>
</tr>
</tbody>
</table>

### National Institute of Standards & Technology—Completed Actions

<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Title</th>
<th>Regulation Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>534</td>
<td>FIPS 128-1, Computer Graphics Metafile (CGM)</td>
<td>0693-AA93</td>
</tr>
<tr>
<td>535</td>
<td>FIPS 160, Secure Hash Standard (SHS)</td>
<td>0693-AA97</td>
</tr>
<tr>
<td>536</td>
<td>FIPS 125-1, MUMPS (Massachusetts General Hospital Utility Multi-Programming System)</td>
<td>0693-AB00</td>
</tr>
<tr>
<td>537</td>
<td>FIPS 151-2, Portable Operating System Interface (POSIX)—System Application Program Interface (C Language)</td>
<td>0693-AB01</td>
</tr>
<tr>
<td>538</td>
<td>FIPS 127-2, Database Language SQL</td>
<td>0693-AB05</td>
</tr>
</tbody>
</table>
DEPARTMENT OF COMMERCE (DOC)
National Institute of Standards & Technology (NIST)

509. FIPS FOR POSIX SYSTEM ADMINISTRATION

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None
Abstract: This standard will adopt a set of specifications on an interim basis to provide functional system administration requirements for POSIX operating system implementations. Actual utility names and options for system administration will be specified in a future revision to this FIPS. This standard will facilitate the interchange of computer programs among different vendor systems and architectures.

Timetable: Next Action Undetermined
Small Entities Affected: None
Government Levels Affected: Federal

510. FIPS FOR IRDS EXPORT/IMPORT FILE FORMAT

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None
Abstract: This standard will adopt an American National Standard being developed by Standards Committee X3H4. The standard will specify the precise format of files used to exchange information between IRDSs. The specification will complete the IRD-IRD Interface, the functionality of which is specified in FIPS PUB 156.

Timetable: Next Action Undetermined
Small Entities Affected: None
Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment
Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833
RIN: 0693--AA71
511. PROPOSED REVISION OF FIPS 71, ADVANCED DATA COMMUNICATION CONTROL PROCEDURES (ADCCP)

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None

Abstract: This revision will adopt revised international standards for data communications control procedures. This revision will facilitate the transfer and control of information across telecommunications links and improve interoperability between different equipment and systems.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>10/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: None
Government Levels Affected: Federal
Sectors Affected: 357 Computer and Office Equipment
Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833
RIN: 0693-AB12

512. PROPOSED FIPS FOR ODA RASTER DAP

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None

Abstract: This standard will specify an interchange format suitable for the transfer of raster images between systems designed for raster graphics applications. The standard will enable users to transfer documents between different equipment designed for raster processing.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>12/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: None
Government Levels Affected: Federal
Sectors Affected: 357 Computer and Office Equipment
Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833
RIN: 0693-AB13

513. REVISION OF FIPS 177, INITIAL GRAPHICS EXCHANGE SPECIFICATION (IGES)

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None

Abstract: This revision will update FIPS 177 by adopting revised voluntary industry specifications for IGES. The revision will enable the Federal Government to maintain compatibility with industry practices for the representation and exchange of product definition data used in computer-aided design and computer-aided manufacturing systems.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>12/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: None
Government Levels Affected: Federal
Sectors Affected: Sectors Affected: 357 Computer and Office Equipment
Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, Gaithersburg, MD 20899, 301 975-2833
RIN: 0693-AB14

514. PROPOSED FIPS FOR ADMINISTRATION STANDARDS FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF FEDERAL BUILDINGS

Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None

Abstract: This standard will adopt ANSI/TIA/EIA-606-1992, Administration Standard for the Telecommunications Infrastructure of Commercial Buildings. The standard will provide the administrative requirements for the telecommunications equipment spaces, cable pathways, grounding, wiring, and termination hardware that support the distribution of information within a new, existing, or renovated office building or campus.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>07/27/93</td>
<td>58 FR 40067</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>10/12/93</td>
<td>58 FR 00007</td>
</tr>
<tr>
<td>Period End</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Action</td>
<td>12/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: Undetermined
Government Levels Affected: Undetermined
Sectors Affected: Multiple
Agency Contact: Albert Tholen, Chief, NVLAP, Department of Commerce, National Institute of Standards &
National Institute of Standards & Technology (NIST)

519. REVISION OF FIPS 140, GENERAL SECURITY REQUIREMENTS FOR EQUIPMENT USING THE DATA ENCRYPTION STANDARD

CFR Citation: None
Legal Deadline: None
Abstract: This revision will bring the standard up to date to cover new encryption applications and new policies for testing for conformance to the standard.

Department of Commerce, National Institute of Standards & Technology (NIST)

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Data</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>07/26/93</td>
<td>58 FR 39486</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>10/25/93</td>
<td>58 FR 39792</td>
</tr>
<tr>
<td>Period End</td>
<td>12/00/93</td>
<td>58 FR 39792</td>
</tr>
<tr>
<td>Final Action</td>
<td>12/00/93</td>
<td>58 FR 39792</td>
</tr>
</tbody>
</table>

Small Entities Affected: Undetermined
Government Levels Affected: None
Sectors Affected: Multiple

Additional Information: ABSTRACT CONT: with a certificate of recognition, NIST will maintain lists of all recognized organizations and, in the case of recognized accreditation bodies, lists of conformity assessment bodies accredited by them.

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, Gaithersburg, MD 20899, 301 975-2833
RIN: 0693—AB21

DEPARTMENT OF COMMERCE (DOC)
National Institute of Standards & Technology (NIST)

516. NATIONAL VOLUNTARY CONFORMITY ASSESSMENT SYSTEMS EVALUATION

Legal Authority: 15 USC 271 et seq
CFR Citation: 15 CFR 286
Legal Deadline: None

Abstract: The National Institute of Standards and Technology (NIST) will propose to establish the National Voluntary Conformity Assessment System Evaluation (NVCASE) Program. The program will enable the Department of Commerce, acting through NIST, to evaluate and recognize competently conducted conformity assessment activities. The results of NIST evaluations will provide a basis for the U.S. Government to assure foreign governments that qualified conformity assessment bodies are competent to satisfy their regulatory requirements. The program is complementary to those of other Federal agencies and is intended, together with those programs, to provide the basis for U.S. Government negotiations with foreign governments to gain their recognition of U.S.-based conformity assessment bodies as providing results acceptable for regulatory purposes. The program is intended to cover organizations engaged in product sample testing, product certification, and quality system registration and, most especially, their accreditors. NIST will offer its evaluations, based on publicly developed requirements, on a fee-for-service basis and will provide those meeting the requirements (cont)
Standards & Technology, B151
Commerce, National Institute of
Computer Specialist, Department of
Agency Contact: Shirley Radack,
Office Equipment
Sectors Affected: 357 Computer and
Government Levels Affected: Federal
Small Entitles Affected: None
Next Action Undetermined

520. FIPS FOR POSIX SHELL AND
UTILITY APPLICATION INTERFACE
FOR COMPUTER OPERATING
SYSTEMS ENVIRONMENTS
Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None
Abstract: This standard will adopt, on
an interim basis, Draft 9 of the Institute
of Electrical and Electronics Engineers
(IEEE) Standard for Shell and
Application Utility Interface for
Computer Operating Systems
Environments (IEEE 1003.2/POSIX
Shell and Tools). This standard will
extend the functionality of the POSIX
standard by providing an interactive
interface for users to control processing.

521. FIPS FOR DIGITAL SIGNATURE
STANDARD
Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None
Abstract: This standard will specify a
Digital Signature algorithm appropriate
for digital signature applications. The
standard will enable users to verify the
integrity of the data and the origin of
messages sent between computers and
for integrity of the data and programs
that are stored in computers.

522. FASTENER QUALITY
Significance: Regulatory Program
Legal Authority: PL 101-592
CFR Citation: 15 CFR 280
Legal Deadline: NPRM, Statutory, May
Abstract: This rule will implement the
Fastener Quality Act. In 1990, Congress
enacted the Fastener Quality Act (the
Act) to protect public safety, deter
introduction of nonconforming
fasteners into commerce, improve
traceability of fasteners used in critical
applications, and provide customers
with greater assurance that fasteners
meet stated specifications. The Act
requires that certain fasteners sold in
commerce conform to the specifications
to which they are represented to be
manufactured; provides for
accreditation of laboratories engaged in
fastener testing; and requires the
inspection, testing, and certification (in
accordance with standardized methods)
of fasteners used in critical
applications.

523. FIPS FOR AUTOMATED
PASSWORD GENERATOR
Legal Authority: PL 100-235
CFR Citation: None
Legal Deadline: None
Abstract: This standard will provide an
algorithm that will be implemented in
software systems. The algorithm will
generate pronounceable passwords for
authenticating users of an ADP system,
or for authorizing access to system
resources.
526. PROCEDURES FOR REGISTERING COMPUTER SECURITY OBJECTS

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

Abstract: This register will specify names that uniquely identify Computer Security Objects (CSOs), which will be used to support secure communication of data between systems. The unique names will be used to reference objects during the negotiation of security services for a transaction or application. The register will also be a repository of parameters associated with the registered object.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>01/13/92</td>
<td>57 FR 1255</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>04/13/92</td>
<td>57 FR 1255</td>
</tr>
<tr>
<td>Period End</td>
<td>10-05-92</td>
<td>58 FR 35787</td>
</tr>
<tr>
<td>Final Action</td>
<td>12/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA99

527. FIPS FOR STANDARD PAGE DESCRIPTION LANGUAGE

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

Abstract: This standard will adopt the International Standards Organization International Electrotechnical Commission Standard Page Description Language (SPDL), ISO/IEC DIS 10180, which defines a device-independent format for representing documents in their final fully formatted form, to printers or other presentation processes. It combines the image description technology of modern page description languages with a document structure which enables efficient processing and page image management.

Timetable:

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>08/21/92</td>
<td>57 FR 37948</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>11/19/92</td>
<td></td>
</tr>
<tr>
<td>Period End</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Action</td>
<td>12/00/93</td>
<td></td>
</tr>
</tbody>
</table>

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB02
### 529. PROPOSED REAFFIRMATION OF FIPS 46-1, DATA ENCRYPTION STANDARD (DES)

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM Comment</td>
<td>12/09/92</td>
<td>57 FR 41727</td>
</tr>
<tr>
<td>Period End</td>
<td>10/09/93</td>
<td></td>
</tr>
<tr>
<td>Final Action</td>
<td>10/09/93</td>
<td></td>
</tr>
</tbody>
</table>

*Small Entities Affected: None*

*Government Levels Affected: None*

*Sectors Affected: 357 Computer and Office Equipment*

*Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833*

### 531. ADVANCED TECHNOLOGY PROGRAM

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM Comment</td>
<td>09/03/93</td>
<td>58 FR 46919</td>
</tr>
<tr>
<td>Period End</td>
<td>09/16/93</td>
<td>58 FR 46919</td>
</tr>
<tr>
<td>Final Action</td>
<td>12/09/93</td>
<td></td>
</tr>
</tbody>
</table>

*Small Entities Affected: None*

*Government Levels Affected: Undetermined*

*Sectors Affected: Multiple*

*Agency Contact: George Uriano, Director, Advanced Technology Program, Department of Commerce, National Institute of Standards & Technology, Administration Bldg., Room A403, Gaithersburg, MD 20899, 301 975-5187*

### 532. A PROPOSED FIPS FOR AN ESCROWED ENCRYPTION STANDARD (EES)

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM Comment</td>
<td>09/09/93</td>
<td>58 FR 41727</td>
</tr>
<tr>
<td>Period End</td>
<td>10/09/93</td>
<td></td>
</tr>
<tr>
<td>Final Action</td>
<td>10/09/93</td>
<td></td>
</tr>
</tbody>
</table>

*Small Entities Affected: None*

*Government Levels Affected: Undetermined*

*Sectors Affected: Multiple*

*Agency Contact: Shirley Radack, Computer Specialist, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833*

### 530. PROPOSED REVISION AND FIPS 158-1, THE USER INTERFACE COMPONENT OF THE APPLICATIONS PORTABILITY PROFILE

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM Comment</td>
<td>09/30/93</td>
<td>58 FR 46919</td>
</tr>
<tr>
<td>Period End</td>
<td>10/09/93</td>
<td>58 FR 46919</td>
</tr>
<tr>
<td>Final Action</td>
<td>12/09/93</td>
<td></td>
</tr>
</tbody>
</table>

*Small Entities Affected: None*

*Government Levels Affected: Undetermined*

*Sectors Affected: 357 Computer and Office Equipment*

*Agency Contact: Shirley Radack, Computer Specialist, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833*
### DEPARTMENT OF COMMERCE (DOC)

National Institute of Standards & Technology (NIST)

#### 533. WITHDRAWAL OF FIPS 30 AND FIPS 53 WHICH PROVIDED STANDARD FORMS FOR DESCRIBING COMPUTER PROGRAMS AND COMPUTER MAGNETIC TAPE

- **Legal Authority:** PL 100-235
- **CFR Citation:** None
- **Legal Deadline:** None

**Abstract:** FIPS 30, Software Summary for Describing Computer Programs, and FIPS 53, Transmittal Form for Describing Computer Magnetic Tape File Properties, provided standard forms for describing computer programs and computer magnetic tape. These FIPS are being withdrawn because the standard forms are obsolete and no longer stocked by the General Services Administration.

#### Completed Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>10/00/93</td>
<td>56 FR 39928</td>
</tr>
</tbody>
</table>

#### Government Levels Affected: Federal

**Small Entities Affected:** None

### 534. FIPS 128-1, COMPUTER GRAPHICS METAFILE (CGM)

- **Legal Authority:** PL 100-235
- **CFR Citation:** None
- **Legal Deadline:** None

**Abstract:** This revised FIPS adopts the redesignated version of the CGM standard, known as ANSI/ISO 8632, and adds a requirement for the use of profiles. A profile defines the options, elements, and parameters of ANSI/ISO 8632 necessary to accomplish a particular function and to maximize the probability of interchange between systems implementing the profile. The revised FIPS adopts MIL-D-28003A, Computer-Aided Acquisition and Logistics Support (CALS), as the first CGM Application Profile.

#### Completed Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>11/29/91</td>
<td>56 FR 39928</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>02/24/92</td>
<td>56 FR 39928</td>
</tr>
<tr>
<td>Second NPRM</td>
<td>05/29/92</td>
<td>57 FR 21961</td>
</tr>
<tr>
<td>Second NPRM Comment</td>
<td>07/10/92</td>
<td>57 FR 21961</td>
</tr>
<tr>
<td>Final Action</td>
<td>05/11/93</td>
<td>58 FR 27710</td>
</tr>
<tr>
<td>Final Action Effective</td>
<td>10/15/93</td>
<td>58 FR 27710</td>
</tr>
</tbody>
</table>

**Small Entities Affected:** None

**Government Levels Affected:** Federal

### 535. FIPS 180, SECURE HASH STANDARD (SHS)

- **Legal Authority:** PL 100-235
- **CFR Citation:** None
- **Legal Deadline:** None

**Abstract:** This standard adopts an algorithm which provides a formula for producing a numeric value (called a "message digest") of a message (or any digital information). This standard is used whenever a secure hash algorithm is needed to provide a mechanism to check the integrity of data.

#### Completed Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>01/31/92</td>
<td>57 FR 3747</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>05/11/93</td>
<td>58 FR 27712</td>
</tr>
<tr>
<td>Final Action</td>
<td>10/15/93</td>
<td>58 FR 27712</td>
</tr>
</tbody>
</table>

**Small Entities Affected:** None

**Government Levels Affected:** Federal

### 536. FIPS 125-1, MUMPS

- **Legal Authority:** PL 100-235
- **CFR Citation:** None
- **Legal Deadline:** None

**Abstract:** This revision adopts American National Standard for MUMPS, ANSI/MDC X11.1-1990. This revision facilitates the interchange of application programs among different computer systems and improves the productivity of computer programmers.

#### Completed Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>05/29/92</td>
<td>57 FR 21963</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>08/24/92</td>
<td>57 FR 21963</td>
</tr>
<tr>
<td>Final Action</td>
<td>12/10/93</td>
<td>58 FR 32518</td>
</tr>
<tr>
<td>Final Action Effective</td>
<td>12/10/93</td>
<td>58 FR 32518</td>
</tr>
</tbody>
</table>

**Small Entities Affected:** None

**Government Levels Affected:** Federal

### 537. FIPS 151-2, PORTABLE OPERATING SYSTEM INTERFACE (POSIX)—SYSTEM APPLICATION PROGRAM INTERFACE (C LANGUAGE)

- **Legal Authority:** PL 100-235
- **CFR Citation:** None
- **Legal Deadline:** None

**Abstract:** This revision adopts International Standard ISO/IEC 9945-1:1990, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) (C Language), which defines a C programming interface.
language source interface to an operating system environment. This standard facilitates the portability of application programs among different computer systems.

**Timetable:**

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>FR Cite</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRM</td>
<td>05/29/92</td>
<td>57 FR 29229</td>
</tr>
<tr>
<td>NPRM Comment</td>
<td>06/29/92</td>
<td>57 FR 29229</td>
</tr>
<tr>
<td>Period End</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Action</td>
<td>05/12/92</td>
<td>58 FR 27995</td>
</tr>
<tr>
<td>Final Action</td>
<td>10/15/92</td>
<td>58 FR 27995</td>
</tr>
</tbody>
</table>

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

**RIN:** 0693-AB01

---

538. FIPS 127-2, DATABASE LANGUAGE SQL

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This revision to FIPS 127-1, Database Language SQL, adopts the American National Standard: Database Language SQL (X3.135-1992). This revision to FIPS 127-1 provides a substantial, upward-compatible enhancement of Database Language SQL.