DATA ITEM DESCRIPTION

TITLE: INSTRUCTIONAL MEDIA PACKAGE

Number: DI-SESS-81526B
Approval Date: 20010830
AMSC Number: N7472
Limitation:
DTIC Applicable: No
GIDEP Applicable: No
Office Of Primary Responsibility: N/AS/PMA205
Applicable Forms: None
Use/relationship: The Instructional Media Package contains visual, textual, and audio information to be used in the development and presentation of training. It also includes the fully integrated instructional media presentation package.

a. This Data Item Description (DID) contains the preparation instructions for the content and format of the Instructional Media Package.

b. This DID contains the format, content, and intended use information for the data product resulting from the performance requirements described by 3.2.10 of MIL-PRF-29612B, and is applicable to the acquisition of training data products. Data product performance evaluation criteria are specified in 4.3.10 and 4.3.9 of MIL-PRF-29612B.

c. It is not intended that all the requirements contained herein be applied to every program or program phase. Portions of this DID are subject to deletion tailoring depending upon the program phase in which it is applied in the contract. Any individual data requirement contained in this DID is subject to deletion tailoring.

d. This DID supersedes DI-ILSS-81526A.

Requirements:

1. Reference document. The applicable issue of documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2. Format. The format of data contained within this DID is as follows:

a. Page-based products, for which contractor format is acceptable.
b. Standard digital data in compliance with the content and format requirements specified in the DoD Data Architecture (DDA) and the Defense Data Dictionary System (DDDS).
c. For Interactive Multimedia Instruction (IMI) products, government accepted industry format standards are acceptable.
d. Still and motion audiovisual products shall conform to the product standards as set forth in the Society for Motion Picture and Television Engineers (SMPTE) standard for Television Analog Recording - ½ inch Type L - Electrical Parameters, Control Code and Tracking Control.
e. Sharable Content Objects (SCO) as specified by the contract.
f. Digital audiovisual products shall comply with the JTA.

3. Content. The Instructional Media Package shall contain the following:

3.1 Front matter. The content of front matter shall be in accordance with Appendix A of MIL-PRF-29612B.

3.2 Legal data. Legal data that relates to the production shall include:

a. Music clearances and rights.
b. Talent releases.
c. Location releases.
d. Intellectual property rights releases.
e. Any type of release required for production, replication, modification, distribution, or reuse.

3.3 Audiovisual production data. This data shall include the following:

3.3.1 Treatment. The treatment is the general plan or approach to the production. The treatment shall be based upon the learning objectives of the instructional media audiovisual production, and shall describe the individual types of scripts to be used for the production, including:

a. The title of the instructional media production.
b. A scope of the production content or subject matter.
c. Intended audience.
d. Requirement, if any, for closed captioning.
e. Proposed running time.
f. Types of audiovisual instructional media and how they are to be used.
g. Types of audio instructional media and how they are to be used.
h. Identification of the instructional media as linear or interactive.
i. A general description of the types of shots desired.
j. Existing audiovisual materials to be used including titles, control numbers, reel

numbers, and SMPTE time codes. Time code shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code.

k. Identification of digital instructional materials used as file names or file format (e.g., Joint Photographic Experts Group (JPEG), Portable Document Format (PDF), etc.).
l. A description of how the production will satisfy each learning objective.
m. An initial outline of an Interactive Courseware (ICW) unit of instruction, including an initial flow chart depicting major branching design.

3.3.2 Scripts. This data shall include each scene or frame showing description, talent, props, audio, narration, sound effects, camera angle, image size, and shall include the following:

3.3.2.1 Audiovisual script. This data shall include the following data:

a. Title and identification number.
b. Scene number, cross-referenced to script and storyboard.
c. Scene description (including, when required, location, sets, talent, wardrobe, properties, stage directions, special effects, graphics and animation or art, and camera directions). Indicate whether the scene has sound or is silent.
d. Description of scenes to be shot shall identify the visual displayed still, motion, and sequence. This description shall identify the primary and secondary subjects in separate and split screen video. Character generations to be mixed with the video and simulation sequence number for each shot in the order that the video will be presented shall also be identified.
e. A description of special effects (e.g., animation, overlays, inserts, highlight, digitized video, computer generated video graphics, and animation).
f. A description of words or text displayed in a visual.
g. A description of character generator text and description.
h. A description of any simulation attributes used in the video.
i. A description of camera directions to include:

    (1) Type of shot.
    (2) Camera movement.
    (3) Visual angle.
    (4) Special equipment required (e.g., dollies, sound booms, special lenses, smoke generators).

j. A description of the type of scene transition.
k. A description of the audio portion of the audiovisual script shall include the following data:

    (1) Details and suggested relationships to enhance the visual message.
    (2) Identification of silence breaks on edits.
    (3) A description of on or off camera, narration, music, and sound effects.

l. A description of existing audiovisual materials to be used including titles, control numbers, reel numbers, and SMPTE time codes. Time codes shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code. Include special requirements and conditions that must exist for the correct shot presentation (e.g., equipment switch configurations, specific operational conditions).
m. A description of digital instructional materials used as file names or file format (e.g., JPEG, PDF).
n. Additional comments and directions.

3.3.2.2 Audio only scripts. This data shall include:

a. The directions necessary for production of the audio only instructional material.
b. A description of the contents of the program (e.g., which can include words of narration, character treatment, music, sound effects, pauses or stops).
c. The audio script title, classification, listening requirements, preparing and procuring activity, and date produced.

3.3.3 Storyboards. This data shall be provided to represent each scene within the script. (Storyboards are rough sketches of the way each scene or shot will appear in the final production, and provide guidance for positioning talent, properties, and camera.) The storyboard shall include the following data:

a. Visual representation (e.g., artwork, photography, line drawing, camera angle, stage direction, special effects, editing transitions, graphics and animation, text, lighting).
b. Audio requirements (e.g., narration, dialogue, sound effects, music, ambient sound, talent direction).
c. Scene numbers which are consistent with the script. Each storyboard shall be cross-referenced to the specific action point in the applicable flow diagrams it supports.
d. Support material relationship which identifies and cross-references any shared or related course material and courses.
e. Additional storyboard data required for IMI products as follows:

(1) Detailed computer programming instructions for interaction, branching and courseware performance.
(2) Description of shot shall identify the visual displayed still, motion, and sequence. The description shall identify the primary and additional subjects in separate and split screen video. Character generations to be mixed with the video shall also be identified. Provide simulation sequence number for each shot in the order that the video will be presented.
(3) Special effects (e.g., animation, overlays, inserts, highlight, digitized video, computer generated video graphics, and animation).
(4) Editing transition and type (e.g., wipe, dissolve, fade to black, fade from black).
(5) Words or text displayed in a visual.

(6) Character generator text and description.
(7) SMPTE time code shall identify the actual location of the shot on the premaster video using SMPTE time code. (This data can be added to the storyboard during or after the video production requirement.)
(8) Linear play, start and stop frame in SMPTE time code.
(9) Resource video used.
(10) Description of resource video used shall describe special requirements and conditions that must exist for the correct shot presentation (e.g., equipment switch configurations, specific operational conditions).
(11) A description of any simulation attributes used in the video.
(12) Test item data shall include the following:

(a) Test item stem text
(b) Test item distractors.
(c) A description of student feedback.
(d) A description of student remediation.
(e) A description of Course Management System (CMS) capability.
(f) A description of Learning Management System (LMS) capability.

(13) Additional comments and directions.

3.3.4 Audio scene data. This data shall identify and describe the audio requirements for each scene as follows:

a. Audio track and channels (default for monaural productions is audio channel 1 (left channel)).
b. Second language used and dedicated audio track.
c. Compressed or still frame audio used.
d. Music cuts.
e. Ambient sound.
f. Signature characteristics and sound effects used.
g. Narrative dialogue.
h. Sampling rates.

3.3.5 Audiovisual production plan. This data shall provide information for the coordination required for video production as follows:

a. Equipment resources needed, including Government-Furnished Property (GFP), Government-Furnished Information (GFI), and Government-Furnished Equipment (GFE).
b. Video shot list.

(1) Shot sequence order of motion and still frame shots.
(2) Schedule listing availability of times to shoot.

c. A milestone chart of important production dates.

3.3.6 Prototype audiovisual. This data shall be assembled from audiovisual footage or computer-generated audio and video files in accordance with the treatment and related scripts and shall demonstrate how the treatment and related scripts are used to produce the required audiovisual materials.

3.3.7 Edit Decision List (EDL). The EDL shall provide information on assembly of the first cut or master audiovisual by the audiovisual editor after completion of audiovisual edits. The EDL shall contain the following:

a. Approved script number.
b. Edit sequence number that identifies the order in which the edits were performed, determined by edit sequence on the premaster or master video.
c. Video resource reel number.
d. Resource video SMPTE time codes for start and end of each scene.
e. Each video edit description shall include digital data frame edits, and beginning and ending SMPTE time codes. Time code shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code.
f. Audio instructions on the video EDL shall be broken down by track, and shall include location by track number, start and stop time, and scene.

3.3.8 Original video material. Shall include all original footage recorded and all computer-generated video files.

3.3.9 Adjunctive material. Adjunctive material shall provide data that enhances and provides additional support to training that cannot be provided by the primary media.

3.3.10 Program media. Program media shall consist of all materials (e.g., software, firmware) necessary to execute the training system.

3.4 Interactive courseware directions. This data shall include the required information and directions for the director, programmer, and instructional designer which will be presented by the content media. (Not required for audiovisual productions.)

3.5 Programming requirements for graphics and animation. This data shall identify and describe the programming requirements for graphics and animation, and shall include:

a. Type of input and output devices (e.g., joystick, light pen, mouse, touch panel, graphics and animation tablet, keyboard, optical digitizer, trackball, bar code reader, printer).
b. Frame number.
c. Frame type with required logic.

(1) Alphanumerics in visuals.
(2) Graphics used.
(3) Animation used.
(4) Background colors to include color register number, and the font, size and color of text.

d. Visual angle of information presented.
e. Composite of visual display.
f. Program flow.
g. Display flow/sequence.
h. Software application and version number used to develop the original media file.
i. Additional comments and directions.

3.6 Instructional media data files. The instructional media data files contain the design, development and programming data, and adjunctive materials required to maintain instructional media and provide life cycle support for the training system. This data shall contain the following:

3.6.1 Instructional media generation programs and files. This data shall consist of the application software programs used to design, develop, run and maintain the electronic programs. The generation programs are required to update design and development documentation and the course over its life cycle. The generation programs shall consist of the application software package and associated user documentation, and shall be provided in the exact version(s) used to produce the instructional media. The following instructional media programs and files shall be provided:

a. Flow diagram generation program.
b. Script storyboard generation program.
c. Instructional media authoring language.
d. Instructional media authoring system.
e. Instructional generation, video management and manipulation programs to include:

(1) Media graphics.
(2) Animation generation.
(3) Video management.
(4) Video manipulation.
(5) Audio development programs.

f. Provide an explanation of the set-up routine and installation files to include the set-up parameters.
g. Provide an index or listing of all files, by topic, contained on Compact Disk-Read Only Memory (CD-ROM) or other storage medium.
h. Uninstall program.

3.6.2 Courseware data files. This data shall contain all courseware content and structure data files generated and produced using the Government provided or approved authoring language/system, and data files produced using instructional media support software. The files shall be in order and format structure compatible with the development package. Data files shall reflect debugging corrections and shall run unmodified on specified media delivery system(s) with run-time programs. The data files shall include the following data:

a. The data files which contain:

(1) Lesson text displays and overlays.
(2) Graphics and animation displays and overlays.
(3) Video displays, both motion and still.
(4) Audio tracks.
(5) Still frame audio.

b. The data files which control:

(1) Lesson text displays and overlays.
(2) Graphics and animation displays and overlays.
(3) Video displays, both motion and still.
(4) Audio tracks.
(5) Still frame audio.

c. The data files which control Electronic Performance Support System (EPSS) functions.

3.6.3 Lesson logic data files. This data shall include the following:

a. Logic data files which define:

(1) Trainee performance requirements.
(2) Trainee response requirements.
(3) Criteria for altering the lesson presentation based upon trainee performance and response evaluation.

b. Logic data files which control:

(1) Sequence in which screens are displayed.
(2) Sequence or pace of lesson presentation based upon trainee performance and response evaluation.

c. Logic data files which contain:

(1) Scoring and evaluation criteria for trainee responses and performance.

(2) CMS and LMS trainee identification performance and response records to include:

(a) The maximum score or total number that the student could have achieved.
(b) The minimum score the student could have achieved.
(c) The passing score as determined outside the lesson.
(d) Indication of when the comment is made.
(e) Indication of when the student entered the lesson segment.
(f) Amount of time the student is allowed to have in the current attempt on the lesson.
(g) An indication of how or why the student left the lesson.
(h) The reason a student departed an element in the lesson.
(i) Judgment of the student's response.
(j) Identifies if the student's comments on a lesson can be collected and made available by the LMS in a separate file.
(k) Indication of whether the student has been in the lesson before.
(l) How long the student spent in the element.
(m) Number of times the student has been in, or previously used the lesson.
(n) Identification of student-related information that may be used to change the behavior of the lesson.
(o) Indicates suitability of preferences to current lesson.
(p) Pace of content delivery.
(q) Indication of when the interaction is available to the student.
(r) What the lesson is to do when the maximum time allowed is exceeded.
(s) Data related to each try.
(t) Indication of which category of interaction is recorded.
(u) How the system judges the described response.

3.6.4 Portability commands. A list of commands and interface mechanisms used to ensure portability shall be provided.

3.6.5 Developmental source material. Development source materials are those design and development materials which contain information necessary for future updates to the courseware and design and development documents. This data shall include the following:

a. The uncompiled source code and object code of each support software routine.
b. A description of each routine's purpose and function. The description shall include applicable command sets and variables.
c. Complete instructions for using and changing each routine.
d. Identification of the computer language used to develop support software shall include the specific release version and manufacturer of the language compiler. When more than one language is used, identification information shall be provided for each.
e. A reference matrix of support software routines to course modules/lessons where the routine is used.

f. A reference matrix that identifies hyperlinks within and among courseware files.
g. A definition of each term, acronym, abbreviation, mnemonic, and symbol used within design and development documents, plans, and training program materials.
h. The identification of all delivery devices which are capable of running the delivered courseware version(s). The list shall identify the specific device configuration and capabilities required for the courseware version. The applicable configuration list shall include a description of the delivery system functions relative to the operational system, environment, and transportability of each module and lesson.
i. A complete listing of publications, technical data and other reference materials used and required to design, develop, and use the courseware. The references shall be listed alphanumerically and include the exact publication dates, and versions/editions of the basic document and all incorporated changes. Listed references shall be cross-referenced to the applicable courses, modules, and lessons.
j. The identification of sources where technical assistance can be obtained for design and development issues.
k. Software licensing and fee requirements.

3.6.6 Transportability and maintainability data. This data contains information necessary for running files that have been compressed, and other unique characteristics necessary for operating, configuration management, and life cycle maintenance of courseware. This data shall include the following:

a. A summary description of the compressed file.
b. Type of target computer required.
c. Target computer operating system required.
d. Target computer video driver requirements.
e. Video drivers installation description.
f. Video drivers uninstall description.
g. Type of video compression (e.g., Audio Visual Interleave (AVI), Motion Joint Photographic Experts Group (MJPEG), Motion Pictures Expert Group (MPEG)).
h. Description of video color palette impact.
i. Video color palette file name.
j. Video compression codex (e.g., Indeo, Cinpac).
k. Video file data as follows:

    (1) File name.
    (2) File size.
    (3) Length of clip.
    (4) Frames per second.
    (5) Interleaf ratio.
    (6) Window size.

l. Internet, intranet, and extranet delivery requirements as follows:

(1) Special browser requirements.
(2) Browser limitations.
(3) Video viewer requirements.
(4) Plug-in requirements.
(5) Source code requirements.
(6) Audio player requirements.

m. Audio data as follows:

(1) Bit depth.
(2) Sampling rate.
(3) Type (e.g., stereo, mono).

n. Animation file data as follows:

(1) A summary description of the animation.
(2) Caption.
(3) Font.
(4) Special effects.
(5) Source animation file name.
(6) Animation type.
(7) Type of beginning and ending transitions.
(8) Restrictions on use.

o. Graphics file data as follows:

(1) A summary description of the graphic.
(2) File name.
(3) Type of file (e.g., Tag Image File (TIFF), JPEG, Graphics Interface Format (GIF), Bit Map (BMP)).
(4) Archive file type (e.g., native drawing format).
(5) Caption.
(6) Restrictions on use.

p. Courseware flow chart.

3.7 **Advanced Distributed Learning (ADL) requirements.** Requirements for ADL shall support accessibility, interoperability, durability, reusability, adaptability, and affordability of courseware content.

3.7.1 Courseware interoperability. Training materials interoperability data shall provide information concerning the capability of training materials to be used in a variety of training management systems as follows:

a. SCO data that identifies the following:

(1) Electronic broadcast and transmission specifications applied.
(2) Metadata tags that will support courseware object interoperability across platforms and systems, reusability, and Internet protocol compatibility.

b. A listing of CSF hierarchy, sub-structure, sequencing, global properties, assignable units, external references, and metadata tagging conventions and values that supports the capability for operating the course using a specific LMS.

3.7.2 Training portal infrastructure support. This data shall provide software required for administrators, developers, instructors, and students in an ADL environment to include:

a. An LMS (i.e., the primary interface for administrative functions of the training site).
b. A CMS (i.e., enables the direct interaction between the student and the courseware and is the presentation interface for the course).
c. Courseware development/authoring tools (i.e., provides a means for developing course content and maintaining that content).
d. Communication tools (i.e., used to enable instructor-to-student and student-to-student interaction (in both synchronous and asynchronous modes)).
e. Resource references (i.e., links to library and reference sources).
f. A description of hardware requirements and specifications required to operate the training portal infrastructure support software.

4. Standard digital data. Standard digital data shall be delivered for the Standard Data Elements (SDEs) marked with an "X" in the "Required" box in Table 1.

TABLE 1. Standard digital data requirements

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3. Content. The Instructional Media Package shall contain the following:) ALIAS NAME DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-TYPE CODE	
(3.1 Front matter. The content of front matter shall be in accordance with Appendix A of MIL-PRF-29612B.) ALIAS NAME DOCUMENT CATEGORY CODE DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-DEVELOPMENT-STAGE BEGIN CALENDAR DATE DOCUMENT-DEVELOPMENT-STAGE CODE DOCUMENT-REPRESENTATION-PUBLICATION CALENDAR DATE DOCUMENT-REPRESENTATION-PUBLICATION CODE DOCUMENT-TYPE CODE EDUCATIONAL-DISCIPLINE CODE EVALUATION IDENTIFIER EVALUATION-EVENT REASON CODE EVALUATION-METHODOLOGY IDENTIFIER EVENT IDENTIFIER EXAMINATION IDENTIFIER GUIDANCE IDENTIFIER GUIDANCE TEXT INSTRUCTIONAL-UNIT DESCRIPTION TEXT INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT INSTRUCTIONAL-UNIT-SECTION ESTIMATED DURATION QUANTITY INSTRUCTIONAL-UNIT-SECTION TYPE CODE MATERIEL-ITEM IDENTIFIER MATERIEL-ITEM TYPE CODE OCCUPATION IDENTIFIER OCCUPATION NAME OCCUPATION-CLASSIFICATION CODE OCCUPATION-INSTRUCTIONAL-UNIT REASON CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN CALENDAR DATE ORGANIZATION-DOCUMENT END CALENDAR DATE ORGANIZATION-GUIDANCE ROLE CODE ORGANIZATION-INSTRUCTIONAL-UNIT-ROLE CODE ORGANIZATION-NAME TEXT ORGANIZATION-OCCUPATION REASON CODE POSITION DESCRIPTION TEXT POSITION IDENTIFIER POSITION-TASK-TYPE BEGIN CALENDAR DATE POSITION-TASK-TYPE END CALENDAR DATE POSITION-TASK-TYPE REASON CODE SPECIFIC-EVALUATION IDENTIFIER TASK IDENTIFIER TASK-DOCUMENT REASON CODE TRAINING-RISK IDENTIFIER	
(3.2 Legal data. Legal data that relates to the production shall include:) ALIAS NAME DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER	
(3.2.a Music clearances and rights.) AGREEMENT IDENTIFIER AGREEMENT TYPE CODE DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER	
(3.2.b Talent releases.) AGREEMENT IDENTIFIER AGREEMENT TYPE CODE LEGAL-AGREEMENT TYPE CODE PERSON IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION-PERSON ROLE CODE	
(3.2.c Location releases.) AGREEMENT IDENTIFIER AGREEMENT TYPE CODE FACILITY-LOCATION IDENTIFIER LEGAL-AGREEMENT TYPE CODE LOCATION IDENTIFIER ORGANIZATION IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
ORGANIZATION-LOCATION ASSOCIATION CODE ORGANIZATION-LOCATION ORGANIZATION ROLE CODE ORGANIZATION-NAME TEXT PRODUCTION-FACILITY REASON CODE	
(3.2.d Intellectual property rights releases.) AGREEMENT IDENTIFIER AGREEMENT TYPE CODE DOCUMENT IDENTIFIER	
(3.2.e Any type of release required for production, replication, modification, distribution, or reuse.) AGREEMENT IDENTIFIER AGREEMENT TYPE CODE AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER LEGAL-AGREEMENT TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3 Audiovisual production data. This data shall include the following:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.1 Treatment. The treatment is the general plan or approach to the production. The treatment shall be based upon the learning objectives of the instructional media audiovisual production, and shall describe the individual types of scripts to be used for the production, including:) AUDIO-MEDIA-FORMAT IDENTIFIER GUIDANCE CATEGORY CODE GUIDANCE FUNCTIONAL TYPE CODE GUIDANCE IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.1.a The title of the instructional media production.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION NAME VISUAL-IMAGE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.3.1.b A scope of the production content or subject matter.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION SYNOPSIS TEXT VISUAL-IMAGE IDENTIFIER	
(3.3.1.c Intended audience.) AUDIO-MEDIA-FORMAT IDENTIFIER PERSONNEL-RESOURCE TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.1.d Requirement, if any, for closed captioning.) AUDIO-MEDIA-FORMAT IDENTIFIER FACILITY-TYPE-REQUIREMENT IDENTIFIER FUND-REQUIREMENT IDENTIFIER FUND-REQUIREMENT TYPE NAME HARDWARE-REQUIREMENT-TYPE NAME INFORMATION-ASSET-REQUIREMENT IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT TITLE NAME LOCATION-REQUIREMENT IDENTIFIER MAINTENANCE-OPERATION-REQUIREMENT TYPE CODE PRODUCTION IDENTIFIER PRODUCTION-REQUIREMENT IDENTIFIER PRODUCTION-REQUIREMENT TYPE CODE SOFTWARE-REQUIREMENT-TYPE NAME VISUAL-IMAGE IDENTIFIER	
(3.3.1.e Proposed running time.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION RUNNING QUANTITY VISUAL-IMAGE IDENTIFIER	
(3.3.1.f Types of audiovisual instructional media and how they are to be used.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-MEDIA-FORMAT TYPE CODE PRODUCTION IDENTIFIER PRODUCTION-PURPOSE CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.1.g Types of audio instructional media and how they are to be used.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION-PURPOSE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.1.h Identification of the instructional media as linear or interactive.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION INTERACTIVITY CODE VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.1.i A general description of the types of shots desired.) VISUAL-IMAGE ANGLE CODE VISUAL-IMAGE FOCAL DISTANCE CODE	
(3.3.1.j Existing audiovisual materials to be used including titles, control numbers, reel numbers, and SMPTE time codes. Time code shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code.) ALIAS IDENTIFIER ALIAS NAME AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION-VISUAL-IMAGE ALTERNATE SEQUENTIAL IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.1.k Identification of digital instructional materials used as file names or file format (e.g., Joint Photographic Experts Group (JPEG), Portable Document Format (PDF), etc.).) DIGITAL-IMAGE COMPRESSION FORMAT CODE VISUAL-IMAGE IDENTIFIER	
(3.3.1.l A description of how the production will satisfy each learning objective.) AUDIO-MEDIA-FORMAT IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.1.m An initial outline of an Interactive Courseware (ICW) unit of instruction, including an initial flow chart depicting major branching design.) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-INFORMATION-ASSET REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.3.2 Scripts. This data shall include each scene or frame showing description, talent, props, audio, narration, sound effects, camera angle, image	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
size, and shall include the following:) DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER	
(3.3.2.1 Audiovisual script. This data shall include the following data:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.a Title and identification number.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION NAME VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.b Scene number, cross-referenced to script and storyboard.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.c Scene description (including, when required, location, sets, talent, wardrobe, properties, stage directions, special effects, graphics and animation or art, and camera directions). Indicate whether the scene has sound or is silent.) GUIDANCE FUNCTIONAL TYPE CODE GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT LOCATION GENERAL DESCRIPTION TEXT LOCATION IDENTIFIER MATERIEL IDENTIFIER MATERIEL-ITEM DESCRIPTION TEXT OCCUPATION IDENTIFIER PERSON-ATTIRE-STYLE CODE PERSONNEL-RESOURCE TYPE CODE SITUATION-GUIDANCE REASON CODE	
(3.3.2.1.d Description of scenes to be shot shall identify the visual displayed still, motion, and sequence. This description shall identify the primary and secondary subjects in separate and split screen video. Character generations to be mixed with the video and simulation sequence number for each shot in the order that the video will be presented shall also be identified.)	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE	
(3.3.2.1.e Description of special effects (e.g., animation, overlays, inserts, highlight, digitized video, computer generated video graphics, and animation).) PRODUCTION IDENTIFIER SPECIAL-EFFECT DESCRIPTION TEXT SPECIAL-EFFECT TYPE CODE VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.f A description of words or text displayed in a visual.) SITUATION IDENTIFIER VISUAL-IMAGE TOPIC DESCRIPTION TEXT	
(3.3.2.1.g A description of character generator text and description.) DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER	
(3.3.2.1.h A description of any simulation attributes used in the video.) PRODUCTION IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.i A description of camera directions to include:) GUIDANCE FUNCTIONAL TYPE CODE GUIDANCE IDENTIFIER MOTION-IMAGE CAMERA MOVEMENT TYPE CODE MOTION-IMAGE SHOT TYPE CODE PRODUCTION IDENTIFIER SITUATION IDENTIFIER SITUATION TYPE CODE SITUATION-GUIDANCE REASON CODE VISUAL-IMAGE FOCAL DISTANCE CODE VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.i.1 Type of shot.) VISUAL-IMAGE ANGLE CODE VISUAL-IMAGE FOCAL DISTANCE CODE VISUAL-IMAGE SETTING CODE VISUAL-IMAGE TOPIC DESCRIPTION TEXT	
(3.3.2.1.i.2 Camera movement.) MOTION-IMAGE CAMERA MOVEMENT TYPE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
SITUATION IDENTIFIER	
(3.3.2.1.i.3 Visual angle.) SITUATION IDENTIFIER	
(3.3.2.1.i.4 Special equipment required (e.g., dollies, sound booms, special lenses, smoke generators).) MATERIEL IDENTIFIER MATERIEL-ITEM DESCRIPTION TEXT SITUATION IDENTIFIER	
(3.3.2.1.j A description of the type of scene transition.) AUDIO-RECORDING-TRANSITION-EFFECT PLACEMENT CODE PRODUCTION IDENTIFIER SITUATION-ASSOCIATION REASON CODE TRANSITION-EFFECT DESCRIPTION TEXT TRANSITION-EFFECT TYPE CODE VISUAL-IMAGE-TRANSITION-EFFECT PLACEMENT CODE	
(3.3.2.1.k A description of the audio portion of the audiovisual script shall include the following data:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.k.1 Details and suggested relationships to enhance the visual message.) AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT DESCRIPTION TEXT AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.k.2 Identification of silence breaks on edits.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER PRODUCTION IDENTIFIER TRANSITION-EFFECT TYPE CODE VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.k.3 A description of on or off camera, narration, music, and sound	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
effects.) AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.l A description of existing audiovisual materials to be used including titles, control numbers, reel numbers, and SMPTE time codes. Time codes shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code. Include special requirements and conditions that must exist for the correct shot presentation (e.g., equipment switch configurations, specific operational conditions).) ALIAS IDENTIFIER ALIAS NAME AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION NAME PRODUCTION SYNOPSIS TEXT PRODUCTION-VISUAL-IMAGE ALTERNATE SEQUENTIAL IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.m A description of digital instructional materials used as file names or file format (e.g., JPEG, PDF).) DIGITAL-IMAGE COMPRESSION FORMAT CODE VISUAL-IMAGE IDENTIFIER	
(3.3.2.1.n Additional comments and directions.) GUIDANCE IDENTIFIER PRODUCTION IDENTIFIER	
(3.3.2.2 Audio only scripts. This data shall include:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.2.a The directions necessary for production of the audio only instructional material.) AUDIO-MEDIA-FORMAT IDENTIFIER GUIDANCE IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.3.2.2.b A description of the contents of the program (e.g., which can include words of narration, character treatment, music, sound effects, pauses, or stops).) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT DESCRIPTION TEXT AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE GUIDANCE IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.2.2.c The audio script title, classification, listening requirements, preparing and procuring activity, and date produced.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-DEVELOPMENT-STAGE BEGIN CALENDAR DATE DOCUMENT-DEVELOPMENT-STAGE CODE DOCUMENT-REPRESENTATION-PUBLICATION CALENDAR DATE DOCUMENT-REPRESENTATION-PUBLICATION CODE DOCUMENT-TYPE CODE INSTRUCTIONAL-UNIT DISTRIBUTION RESTRICTION CODE MATERIEL IDENTIFIER MATERIEL-ITEM DESCRIPTION TEXT ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN CALENDAR DATE ORGANIZATION-DOCUMENT END CALENDAR DATE ORGANIZATION-NAME TEXT PRODUCTION IDENTIFIER PRODUCTION-MATERIEL REASON CODE VISUAL-IMAGE IDENTIFIER	
(3.3.3 Storyboards. This data shall be provided to represent each scene within the script. (Storyboards are rough sketches of the way each scene or shot will appear in the final production, and provide guidance for positioning talent, properties, and camera.) The storyboard shall include the following data:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT-TYPE CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE PRODUCTION IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.3.a Visual representation (e.g., artwork, photography, line drawing, camera angle, stage direction, special effects, editing transitions, graphics and animation, text, lighting).) DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE GUIDANCE SUBJECT TEXT SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE	
(3.3.3.b Audio requirements (e.g., narration, dialogue, sound effects, music, ambient sound, talent direction).) AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE GUIDANCE CATEGORY CODE GUIDANCE FUNCTIONAL TYPE CODE GUIDANCE IDENTIFIER GUIDANCE-CITATION TYPE CODE PRODUCTION IDENTIFIER	
(3.3.3.c Scene numbers which are consistent with the script. Each storyboard shall be cross-referenced to the specific action point in the applicable flow diagrams it supports.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.3.d Support material relationship which identifies and cross-references any shared or related course material and courses.) DOCUMENT IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.3.3.e Additional storyboard data required for IMI products as follows:) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.3.3.e.1 Detailed computer programming instructions for interaction, branching and courseware performance.) DOCUMENT IDENTIFIER GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-STANDARD IDENTIFIER PERFORMANCE-STANDARD TYPE CODE	
(3.3.3.e.2 Description of shot shall identify the visual displayed still, motion, and sequence. The description shall identify the primary and additional subjects in separate and split screen video. Character generations to be mixed with the video shall also be identified. Provide simulation sequence number for each shot in the order that the video will be presented.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE VISUAL-IMAGE IDENTIFIER	
(3.3.3.e.3 Special effects (e.g., animation, overlays, inserts, highlight, digitized video, computer generated video graphics, and animation).) PRODUCTION IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
SPECIAL-EFFECT DESCRIPTION TEXT SPECIAL-EFFECT TYPE CODE VISUAL-IMAGE IDENTIFIER	
(3.3.3.e.4 Editing transition and type (e.g., wipe, dissolve, fade to black, fade from black).) AUDIO-RECORDING-TRANSITION-EFFECT PLACEMENT CODE TRANSITION-EFFECT DESCRIPTION TEXT TRANSITION-EFFECT TYPE CODE VISUAL-IMAGE-TRANSITION-EFFECT PLACEMENT CODE	
(3.3.3.e.5 Words or text displayed in a visual.) DOCUMENT DESCRIPTION TEXT DOCUMENT-TYPE CODE	
(3.3.3.e.6 Character generator text and description.) DOCUMENT DESCRIPTION TEXT DOCUMENT-TYPE CODE	
(3.3.3.e.7 SMPTE time code shall identify the actual location of the shot on the premaster video using SMPTE time code. (This data can be added to the storyboard during or after the video production requirement.)) DOCUMENT IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.3.e.8 Linear play, start and stop frame in SMPTE time code.) DOCUMENT IDENTIFIER SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE	
(3.3.3.e.9 Resource video used.) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.3.e.10 Description of resource video used shall describe special requirements and conditions that must exist for the correct shot presentation (e.g., equipment switch configurations, specific operational conditions).) DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER SITUATION TYPE CODE	
(3.3.3.e.11 A description of any simulation attributes used in the video.) DOCUMENT IDENTIFIER SITUATION IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
SITUATION-ASSOCIATION REASON CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.3.e.12 Test item data shall include the following:) DOCUMENT IDENTIFIER EXAMINATION IDENTIFIER INQUIRY IDENTIFIER	
(3.3.3.e.12.a Test item stem text.) INQUIRY IDENTIFIER INQUIRY TEXT	
(3.3.3.e.12.b Test item distractors.) INQUIRY IDENTIFIER INQUIRY TEXT INQUIRY-PREDEFINED-ANSWER CATEGORY CODE INQUIRY-PREDEFINED-ANSWER SERIAL IDENTIFIER	
(3.3.3.e.12.c A description of student feedback.) EVALUATION DESCRIPTION TEXT EVALUATION IDENTIFIER EXAMINATION-EVALUATION REASON CODE	
(3.3.3.e.12.d A description of student remediation.) INQUIRY-OUTCOME RESULT RECOMMENDATION CODE INSTRUCTIONAL-METHODOLOGY IDENTIFIER INSTRUCTIONAL-METHODOLOGY TYPE CODE REMEDIAL-INSTRUCTIONAL-METHODOLOGY RESPONSE CODE REMEDIAL-INSTRUCTIONAL-METHODOLOGY TYPE CODE	
(3.3.3.e.12.e A description of Course Management System (CMS) capability.) MATERIEL-ASSOCIATION DESCRIPTION TEXT MATERIEL-ASSOCIATION IDENTIFIER	
(3.3.3.e.12.f A description of Learning Management System (LMS) capability.) CAPABILITY IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER	
(3.3.3.e.13 Additional comments and directions.) GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT	
(3.3.4 Audio scene data. This data shall identify and describe the audio requirements for each scene as follows:) PRODUCTION IDENTIFIER SITUATION IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.3.4.a Audio track and channels (default for monaural productions is audio channel 1 (left channel)).) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-TRACK CHANNEL DESCRIPTION TEXT AUDIO-TRACK SERIAL IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.b Second language used and dedicated audio track.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-TRACK SERIAL IDENTIFIER LANGUAGE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.c Compressed or still frame audio used.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE AUDIO-TRACK SERIAL IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.d Music cuts.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.e Ambient sound.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.f Signature characteristics and sound effects used.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
AUDIO-SUBJECT-FREQUENCY IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.4.g Narrative dialogue.) AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT TYPE CODE DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER	
(3.3.4.h Sampling rates.) AUDIO-SUBJECT IDENTIFIER AUDIO-SUBJECT TYPE CODE AUDIO-SUBJECT-FREQUENCY RATE AUDIO-SUBJECT-FREQUENCY SAMPLING RATE PRODUCTION IDENTIFIER	
(3.3.5 Audiovisual production plan. This data shall provide information for the coordination required for video production as follows:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.5.a Equipment resources needed, including Government-Furnished Property (GFP), Government-Furnished Information (GFI), and Government-Furnished Equipment (GFE).) AUDIO-MEDIA-FORMAT IDENTIFIER MATERIEL IDENTIFIER MATERIEL-ORGANIZATION TYPE CODE ORGANIZATION-TYPE IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION-MATERIEL REASON CODE VISUAL-IMAGE IDENTIFIER	
(3.3.5.b Video shot list.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
VISUAL-IMAGE MEDIA TYPE CODE VISUAL-IMAGE-ASSOCIATION REASON CODE	
(3.3.5.b.1 Shot sequence order of motion and still frame shots.) SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE VISUAL-IMAGE-ASSOCIATION REASON CODE	
(3.3.5.b.2 Schedule listing availability of times to shoot.) AUDIO-MEDIA-FORMAT IDENTIFIER FACILITY IDENTIFIER PRODUCTION IDENTIFIER PRODUCTION-FACILITY BEGIN TIME PRODUCTION-FACILITY END TIME PRODUCTION-FACILITY REASON CODE VISUAL-IMAGE IDENTIFIER	
(3.3.5.c A milestone chart of important production dates.) AUDIO-MEDIA-FORMAT IDENTIFIER EVENT IDENTIFIER GUIDANCE IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.6 Prototype audiovisual. This data shall be assembled from audiovisual footage or computer-generated audio and video files in accordance with the treatment and related scripts and shall demonstrate how the treatment and related scripts are used to produce the required audiovisual materials.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.7 Edit Decision List (EDL). The EDL shall provide information on assembly of the first cut or master audiovisual by the audiovisual editor after completion of audiovisual edits. The EDL shall contain the following:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.7.a Approved script number.) AUDIO-MEDIA-FORMAT IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.7.b Edit sequence number that identifies the order in which the edits were performed, determined by edit sequence on the premaster or master video.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE EVENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.7.c Video resource reel number.) ALIAS IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION-PUBLICATION CALENDAR DATE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.7.d Resource video SMPTE time codes for start and end of each scene.) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.7.e Each video edit description shall include digital data frame edits, and beginning and ending SMPTE time codes. Time code shall conform to the SMPTE standard for Television, Audio and Film - Time and Control Code.) DOCUMENT IDENTIFIER EVENT DESCRIPTION TEXT EVENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.7.f Audio instructions on the video EDL shall be broken down by track, and shall include location by track number, start and stop time, and scene.) AUDIO-TRACK SERIAL IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE PRODUCTION IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PRODUCTION-VISUAL-IMAGE ALTERNATE SEQUENTIAL IDENTIFIER SITUATION IDENTIFIER	
(3.3.8 Original video material. Shall include all original footage recorded and all computer-generated video files.) AUDIO-MEDIA-FORMAT IDENTIFIER PRODUCTION IDENTIFIER SITUATION IDENTIFIER VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.3.9 Adjunctive material. Adjunctive material shall provide data that enhances and provides additional support to training that cannot be provided by the primary media.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-DEVELOPMENT-STAGE BEGIN CALENDAR DATE DOCUMENT-DEVELOPMENT-STAGE CODE DOCUMENT-REPRESENTATION-PUBLICATION CALENDAR DATE DOCUMENT-REPRESENTATION-PUBLICATION CODE ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN CALENDAR DATE ORGANIZATION-DOCUMENT END CALENDAR DATE PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.3.10 Program media. Program media shall consist of all materials (e.g., software, firmware) necessary to execute the training system.) AUDIO-MEDIA-FORMAT IDENTIFIER DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-INFORMATION-ASSET REASON CODE PRODUCTION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT INSTALLATION CODE VISUAL-IMAGE IDENTIFIER	
(3.4 Interactive Courseware directions. This data shall include the required information and directions for the director, programmer, and instructional designer which will be presented by the content media. (Not required for audiovisual productions.)) DOCUMENT IDENTIFIER GUIDANCE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PERSON-TYPE IDENTIFIER PERSON-TYPE-DOCUMENT ROLE CODE PRODUCTION-PURPOSE CODE	
(3.5 Programming requirements for graphics and animation. This data shall identify and describe the programming requirements for graphics and animation, and shall include:) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.5.a Type of input and output devices (e.g., joystick, light pen, mouse, touch panel, graphics and animation tablet, keyboard, optical digitizer, trackball, bar code reader, printer).) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE MATERIEL IDENTIFIER MATERIEL-ASSOCIATION IDENTIFIER MATERIEL-ASSOCIATION TYPE CODE MATERIEL-ITEM TYPE CODE PRODUCTION-PURPOSE CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.5.b Frame number.) ALIAS IDENTIFIER DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE	
(3.5.c Frame type with required logic.) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT-TYPE DESCRIPTION TEXT SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.5.c.1 Alphanumerics in visuals.) DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-REPRESENTATION SERIAL IDENTIFIER DOCUMENT-REPRESENTATION-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE DOCUMENT-TYPE CODE	
(3.5.c.2 Graphics used.) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.5.c.3 Animation used.) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-TYPE CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.5.c.4 Background colors to include color register number, and the font, size and color of text.) DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-REPRESENTATION SERIAL IDENTIFIER DOCUMENT-REPRESENTATION-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.5.d Visual angle of information presented.) VISUAL-IMAGE ANGLE CODE VISUAL-IMAGE FOCAL DISTANCE CODE	
(3.5.e Composite of visual display.) ALIAS IDENTIFIER DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE	
(3.5.f Program flow.) DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-TYPE CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.5.g Display flow/sequence.) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-TYPE CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.5.h Software application and version number used to develop the original media file.) DOCUMENT IDENTIFIER GUIDANCE CATEGORY CODE GUIDANCE FUNCTIONAL TYPE CODE GUIDANCE IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE	
(3.5.i Additional comments and directions. DEVELOPMENT-PRODUCTION MEDIA SELECTION RATIONALE TEXT) PRODUCTION IDENTIFIER PRODUCTION-REQUIREMENT DESCRIPTION TEXT PRODUCTION-REQUIREMENT IDENTIFIER	
(3.6 Instructional media data files. The instructional media data files contain	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
the design, development and programming data, and adjunctive materials required to maintain instructional media and provide life cycle support for the training system. This data shall contain the following:) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION-PURPOSE CODE VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.1 Instructional media generation programs and files. This data shall consist of the application software programs used to design, develop, run and maintain the electronic programs. The generation programs are required to update design and development documentation and the course over its life cycle. The generation programs shall consist of the application software package and associated user documentation, and shall be provided in the exact version(s) used to produce the instructional media. The following instructional media programs and files shall be provided:) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE PRODUCTION-PURPOSE CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.1.a Flow diagram generation program.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.1.b Script storyboard generation program.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.1.c Instructional media authoring language.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME PRODUCTION-PURPOSE CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.1.d Instructional media authoring system.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.1.e Instructional generation, video management and manipulation programs to include:) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME PRODUCTION-PURPOSE CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.1.e.1 Media graphics.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	
(3.6.1.e.2 Animation generation.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	
(3.6.1.e.3 Video management.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	
(3.6.1.e.4 Video manipulation.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	
(3.6.1.e.5 Audio development programs.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	
(3.6.1.f Provide an explanation of the set-up routine and installation files to include the set-up parameters.)	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.1.g Provide an index or listing of all files, by topic, contained on Compact Disk-Read Only Memory (CD-ROM) or other storage medium.) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.1.h Uninstall program.) INFORMATION-ASSET IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.2 Courseware data files. This data shall contain all courseware content and structure data files generated and produced using the Government provided or approved authoring language/system, and data files produced using instructional media support software. The files shall be in order and format structure compatible with the development package. Data files shall reflect debugging corrections and shall run unmodified on specified media delivery system(s) with run-time programs. The data files shall include the following data:) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.2.a The data files which contain:) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE	
(3.6.2.a.1 Lesson text displays and overlays.) DOCUMENT IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.a.2 Graphics and animation displays and overlays.) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.a.3 Video displays, both motion and still.) ALIAS IDENTIFIER DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.a.4 Audio tracks.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-TRACK SERIAL IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.a.5 Still frame audio.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.b The data files which control:) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.2.b.1 Lesson text displays and overlays.) DOCUMENT IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.b.2 Graphics and animation displays and overlays.)	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.b.3 Video displays, both motion and still.) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.b.4 Audio tracks.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-TRACK SERIAL IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.b.5 Still frame audio.) AUDIO-MEDIA-FORMAT IDENTIFIER DOCUMENT IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.2.c The data files which control Electronic Performance Support System (EPSS) functions.) DOCUMENT-TYPE CODE INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.3 Lesson logic data files. This data shall include the following:) DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE	
(3.6.3.a Logic data files which define:) DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE	
(3.6.3.a.1 Trainee performance requirements.)	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-STANDARD IDENTIFIER PERFORMANCE-STANDARD TYPE CODE	
(3.6.3.a.2 Trainee response requirements.) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-STANDARD DESCRIPTION TEXT PERFORMANCE-STANDARD IDENTIFIER	
(3.6.3.a.3 Criteria for altering the lesson presentation based upon trainee performance and response evaluation.) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-INDICATOR DESCRIPTION TEXT PERFORMANCE-STANDARD IDENTIFIER	
(3.6.3.b Logic data files which control:) DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE	
(3.6.3.b.1 Sequence in which screens are displayed.) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-TYPE CODE	
(3.6.3.b.2 Sequence or pace of lesson presentation based upon trainee performance and response evaluation.) DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-STANDARD IDENTIFIER PLAN TYPE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.6.3.c Logic data files which contain:) DOCUMENT IDENTIFIER DOCUMENT-TYPE CODE	
(3.6.3.c.1 Scoring and evaluation criteria for trainee responses and performance.) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE-STANDARD IDENTIFIER	
(3.6.3.c.2 CMS and LMS trainee identification performance and response records to include:) DOCUMENT IDENTIFIER EXAMINATION IDENTIFIER INQUIRY IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERSON IDENTIFIER PERSON-INSTRUCTIONAL-CLASS BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-CLASS END CALENDAR DATE PERSON-INSTRUCTIONAL-CLASS ROLE CODE	
(3.6.3.c.2.a The maximum score or total number that the student could have achieved.) INSTRUCTIONAL-UNIT-TEST MAXIMUM SCORE QUANTITY	
(3.6.3.c.2.b The minimum score the student could have achieved.) INSTRUCTIONAL-UNIT-TEST MINIMUM SCORE QUANTITY	
(3.6.3.c.2.c The passing score as determined outside the lesson.) INSTRUCTIONAL-UNIT-TEST PASSING SCORE QUANTITY	
(3.6.3.c.2.d Indication of when the comment is made.) GENERATE-COMMENT-ACTIVITY TEXT INSTRUCTIONAL-UNIT IDENTIFIER LEARNER-ACTIVITY CALENDAR DATE-TIME LEARNER-ACTIVITY IDENTIFIER LEARNER-ACTIVITY TYPE CODE	
(3.6.3.c.2.e Indication of when the student entered the lesson segment.) INSTRUCTIONAL-UNIT IDENTIFIER LEARNER-ACTIVITY CALENDAR DATE-TIME PERSON IDENTIFIER	
(3.6.3.c.2.f Amount of time the student is allowed to have in the current attempt	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
on the lesson.) INSTRUCTIONAL-UNIT MAXIMUM DURATION QUANTITY	
(3.6.3.c.2.g An indication of how or why the student left the lesson.) INSTRUCTIONAL-UNIT-TERMINATION CATEGORY CODE	
(3.6.3.c.2.h The reason a student departed an element in the lesson.) INSTRUCTIONAL-UNIT-TERMINATION REASON CODE	
(3.6.3.c.2.i Judgment of the student's response.) LEARNER-ACTIVITY EXPECTED RESPONSE CODE LEARNING-OBJECTIVE DESCRIPTION TEXT	
(3.6.3.c.2.j Identifies if the student's comments on a lesson can be collected and made available by the LMS in a separate file.) EXAMINATION IDENTIFIER TEST TYPE CODE	
(3.6.3.c.2.k Indication of whether the student has been in the lesson before.) LEARNER-ACTIVITY CALENDAR DATE-TIME PERSON IDENTIFIER	
(3.6.3.c.2.l How long the student spent in the element.) INSTRUCTIONAL-UNIT IDENTIFIER PERSON IDENTIFIER PERSON-INSTRUCTIONAL-CLASS BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT END CALENDAR DATE	
(3.6.3.c.2.m Number of times the student has been in, or previously used the lesson.) INSTRUCTIONAL-UNIT IDENTIFIER PERSON IDENTIFIER PERSON-INSTRUCTIONAL-CLASS BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-CLASS END CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT END CALENDAR DATE	
(3.6.3.c.2.n Identification of student-related information that may be used to change the behavior of the lesson.) ATTITUDE DESCRIPTION TEXT ATTITUDE LEARNING CODE INSTRUCTIONAL-UNIT IDENTIFIER LEARNER-ACTIVITY IDENTIFIER LEARNING-LEVEL CODE LEARNING-OBJECTIVE-PSYCHOMOTOR-SKILL LEARNING CODE ORGANIZATION IDENTIFIER PERSON IDENTIFIER SKILL IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.6.3.c.2.o Indicates suitability of preferences to current lesson.) INSTRUCTIONAL-UNIT IDENTIFIER PERSON IDENTIFIER	
(3.6.3.c.2.p Pace of content delivery.) DOCUMENT-REPRESENTATION DELIVERY RATE	
(3.6.3.c.2.q Indication of when the interaction is available to the student.) PERSON-INSTRUCTIONAL-ACTIVITY BEGIN DATE TIME	
(3.6.3.c.2.r What the lesson is to do when the maximum time allowed is exceeded.) ACTION IDENTIFIER INSTRUCTIONAL-ACTIVITY IDENTIFIER INSTRUCTIONAL-METHODOLOGY IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER	
(3.6.3.c.2.s Data related to each try.) MULTIPLE-TRIAL-ACTIVITY DESCRIPTION TEXT	
(3.6.3.c.2.t Indication of which category of interaction is recorded.) LEARNER-ACTIVITY IDENTIFIER LEARNER-ACTIVITY TYPE CODE	
(3.6.3.c.2.u How the system judges the described response.) PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT METHOD CODE PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT QUANTITY PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT SCALE CODE PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT SCHEDULING CODE PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT TOOL CODE PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT TYPE CODE PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE-MEASUREMENT WEIGHTING ALGORITHM TEXT	
(3.6.4 Portability commands. A list of commands and interface mechanisms used to ensure portability shall be provided.) AUDIO-MEDIA-FORMAT IDENTIFIER DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE GUIDANCE CATEGORY CODE GUIDANCE FUNCTIONAL TYPE CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
GUIDANCE IDENTIFIER PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE PRODUCTION-PURPOSE CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.5 Developmental source material. Development source materials are those design and development materials which contain information necessary for future updates to the courseware and design and development documents. This data shall include the following:) DOCUMENT IDENTIFIER	
(3.6.5.a The uncompiled source code and object code of each support software routine.) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.5.b A description of each routine's purpose and function. The description shall include applicable command sets and variables.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET-RELATION REASON TEXT SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.5.c Complete instructions for using and changing each routine.) DATA-PROCESSING-EQUIPMENT TYPE NAME GUIDANCE IDENTIFIER INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.5.d Identification of the computer language used to develop support software shall include the specific release version and manufacturer of the language compiler. When more than one language is used, identification information shall be provided for each.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.5.e A reference matrix of support software routines to course modules/lessons where the routine is used.) DATA-PROCESSING-EQUIPMENT TYPE NAME	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT IDENTIFIER INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-INFORMATION-ASSET REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.5.f A reference matrix that identifies hyperlinks within and among courseware files.) DOCUMENT DESCRIPTION TEXT DOCUMENT IDENTIFIER	
(3.6.5.g A definition of each term, acronym, abbreviation, mnemonic, and symbol used within design and development documents, plans and training program materials.) ALIAS NAME DOCUMENT CATEGORY CODE DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE	
(3.6.5.h The identification of all delivery devices which are capable of running the delivered courseware version(s). The list shall identify the specific device configuration and capabilities required for the courseware version. The applicable configuration list shall include a description of the delivery system functions relative to the operational system, environment, and transportability of each module and lesson.) DOCUMENT IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-MATERIEL REASON CODE INSTRUCTIONAL-UNIT-MATERIEL-ITEM REASON CODE MATERIEL-ASSOCIATION DESCRIPTION TEXT MATERIEL-ASSOCIATION IDENTIFIER MATERIEL-PURPOSE-CATEGORY DESCRIPTION TEXT	
(3.6.5.i A complete listing of publications, technical data and other reference materials used and required to design, develop, and use the courseware. The references shall be listed alphanumerically and include the exact publication dates and versions/editions of the basic document and all incorporated changes. Listed references shall be cross-referenced to the applicable courses, modules, and lessons.) DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-ASSOCIATION REASON CODE DOCUMENT-DEVELOPMENT-STAGE BEGIN CALENDAR DATE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT-DEVELOPMENT-STAGE CODE DOCUMENT-REPRESENTATION-PUBLICATION CALENDAR DATE DOCUMENT-REPRESENTATION-PUBLICATION CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-DOCUMENT REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER	
(3.6.5.j The identification of sources where technical assistance may be obtained for design and development issues.) DOCUMENT IDENTIFIER ORGANIZATION IDENTIFIER ORGANIZATION-NAME TEXT ORGANIZATION-POSTAL-ADDRESS-USAGE CODE ORGANIZATION-USPS-POSTAL-ADDRESS DELIVERY LINE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS LAST LINE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS PRIMARY TEXT ORGANIZATION-USPS-POSTAL-ADDRESS SECONDARY TEXT PERSON FULL LEGAL NAME PERSON IDENTIFIER PERSON-NAME CATEGORY CODE PERSON-ORGANIZATION BEGIN CALENDAR DATE-TIME PERSON-ORGANIZATION END CALENDAR DATE-TIME PERSON-ORGANIZATION PERSON ROLE CODE PERSON-USPS-POSTAL-ADDRESS PRIMARY TEXT	
(3.6.5.k Software licensing and fee requirements.) DATA-PROCESSING-EQUIPMENT TYPE NAME GUIDANCE IDENTIFIER GUIDANCE-CITATION SPECIAL ADMINISTRATION TYPE CODE INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-ASSET-FEE AMOUNT INFORMATION-ASSET-FEE TYPE CODE INFORMATION-ASSET-LICENSE DESCRIPTION TEXT SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.6 Transportability and maintainability data. This data contains information necessary for running files that have been compressed, and other unique characteristics necessary for operating, configuration management, and life cycle maintenance of courseware. This data shall include the following:) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT DESCRIPTION TEXT INFORMATION-ASSET-DOCUMENT REASON CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INPUT-OUTPUT-DEVICE TYPE NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT STORAGE-DEVICE TYPE NAME	
(3.6.6.a A summary description of the compressed file.) DOCUMENT DESCRIPTION TEXT	
(3.6.6.b Type of target computer required.) DATA-PROCESSING-EQUIPMENT TYPE NAME INPUT-OUTPUT-DEVICE TYPE NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT STORAGE-DEVICE TYPE NAME	
(3.6.6.c Target computer operating system required.) DATA-PROCESSING-EQUIPMENT TYPE NAME INPUT-OUTPUT-DEVICE TYPE NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT STORAGE-DEVICE TYPE NAME	
(3.6.6.d Target computer video driver requirements.) DATA-PROCESSING-EQUIPMENT TYPE NAME INPUT-OUTPUT-DEVICE TYPE NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT STORAGE-DEVICE TYPE NAME	
(3.6.6.e Video drivers installation description.) DATA-PROCESSING-EQUIPMENT TYPE NAME GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER INPUT-OUTPUT-DEVICE TYPE NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT STORAGE-DEVICE TYPE NAME	
(3.6.6.f Video drivers uninstall description.) DATA-PROCESSING-EQUIPMENT TYPE NAME GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.6.g Type of video compression (e.g., Audio Visual Interleave (AVI), Motion Joint Photographic Experts Group (MJPEG), Motion Pictures Expert Group (MPEG)).) DIGITAL-IMAGE COMPRESSION FORMAT CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.6.6.h Description of video color palette impact.) DATA-PROCESSING-EQUIPMENT TYPE NAME DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE DOCUMENT-TYPE CODE INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.6.i Video color palette file name.) DOCUMENT IDENTIFIER DOCUMENT NAME DOCUMENT-TYPE CODE	
(3.6.6.j Video compression codex (e.g., Indeo, Cinpac).) DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-REPRESENTATION SERIAL IDENTIFIER	
(3.6.6.k Video file data as follows:) PRODUCTION BROADCAST CODE PRODUCTION IDENTIFIER PRODUCTION RUNNING QUANTITY	
(3.6.6.k.1 File name.) DOCUMENT IDENTIFIER DOCUMENT NAME	
(3.6.6.k.2 File size.) DOCUMENT DESCRIPTION TEXT PRODUCTION IDENTIFIER	
(3.6.6.k.3 Length of clip.) PRODUCTION IDENTIFIER PRODUCTION RUNNING QUANTITY PRODUCTION-VISUAL-IMAGE ALTERNATE SEQUENTIAL IDENTIFIER	
(3.6.6.k.4 Frames per second.) FILM TYPE CODE MOTION-IMAGE PROJECTION FRAME RATE	
(3.6.6.k.5 Interleaf ratio.) VISUAL-IMAGE FORMAT CODE	
(3.6.6.k.6 Window size.) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-RECORDING IDENTIFIER DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET-DOCUMENT REASON CODE SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT VISUAL-IMAGE IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.6.l Internet, intranet, and extranet delivery requirements as follows:) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT	
(3.6.6.l.1 Special browser requirements.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET DEFINITION TEXT INFORMATION-ASSET-RELATION REASON TEXT SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT INSTALLATION CODE	
(3.6.6.l.2 Browser limitations.) CAPABILITY IDENTIFIER CAPABILITY TYPE CODE DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET VERSION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT INSTALLATION CODE	
(3.6.6.l.3 Video viewer requirements.) DATA-PROCESSING-EQUIPMENT TYPE NAME INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-ASSET-RELATION REASON TEXT INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM-CATEGORY NAME ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT INSTALLATION CODE SOFTWARE-REQUIREMENT-TYPE NAME	
(3.6.6.l.4 Plug-in requirements.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM-CATEGORY NAME ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT-TYPE NAME	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.6.6.l.5 Source code requirements.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM-CATEGORY NAME ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT-TYPE NAME	
(3.6.6.l.6 Audio player requirements.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM IDENTIFIER INFORMATION-SYSTEM-REQUIREMENT-LINE-ITEM-CATEGORY NAME ORGANIZATION IDENTIFIER SOFTWARE-APPLICATION FUNCTIONAL DESCRIPTION TEXT SOFTWARE-REQUIREMENT-TYPE NAME	
(3.6.6.m Audio data as follows:) AUDIO-RECORDING IDENTIFIER AUDIO-SUBJECT IDENTIFIER PRODUCTION IDENTIFIER	
(3.6.6.m.1 Bit depth.) AUDIO-TRACK SERIAL IDENTIFIER	
(3.6.6.m.2 Sampling rate.) AUDIO-SUBJECT TYPE CODE AUDIO-SUBJECT-FREQUENCY SAMPLING RATE AUDIO-TRACK SERIAL IDENTIFIER	
(3.6.6.m.3 Type (e.g., stereo, mono).) AUDIO-MEDIA-FORMAT IDENTIFIER AUDIO-TRACK CHANNEL DESCRIPTION TEXT AUDIO-TRACK SERIAL IDENTIFIER PRODUCTION IDENTIFIER VISUAL-IMAGE IDENTIFIER	
(3.6.6.n Animation file data as follows:) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.6.n.1 A summary description of the animation.) VISUAL-IMAGE TOPIC DESCRIPTION TEXT	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.6.6.n.2 Caption.) ALIAS NAME DOCUMENT CATEGORY CODE DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE	
(3.6.6.n.3 Font.) DOCUMENT IDENTIFIER DOCUMENT-REPRESENTATION MEDIUM CODE DOCUMENT-REPRESENTATION SERIAL IDENTIFIER DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE	
(3.6.6.n.4 Special effects.) SPECIAL-EFFECT DESCRIPTION TEXT SPECIAL-EFFECT TYPE CODE VISUAL-IMAGE IDENTIFIER	
(3.6.6.n.5 Source animation file name.) DOCUMENT IDENTIFIER DOCUMENT NAME	
(3.6.6.n.6 Animation type.) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.6.n.7 Type of beginning and ending transitions.) SITUATION IDENTIFIER SITUATION-ASSOCIATION REASON CODE	
(3.6.6.n.8 Restrictions in use.) CAPABILITY CONSTRAINT INDICATOR CODE CAPABILITY IDENTIFIER PRODUCTION IDENTIFIER	
(3.6.6.o Graphics file data as follows:) DOCUMENT IDENTIFIER VISUAL-IMAGE FORMAT CODE VISUAL-IMAGE IDENTIFIER VISUAL-IMAGE MEDIA TYPE CODE	
(3.6.6.o.1 A summary description of the graphic.) DOCUMENT DESCRIPTION TEXT	
(3.6.6.o.2 File name.) DOCUMENT NAME	
(3.6.6.o.3 Type of file (e.g., Tag Image File (TIFF), JPEG, Graphics Interface Format (GIF), and Bit Map (BMP)).) DIGITAL-IMAGE COMPRESSION FORMAT CODE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(3.6.6.o.4 Archive file type (e.g., native drawing format).) DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE PLAN TYPE CODE PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION ROLE CODE	
(3.6.6.o.5 Caption.) ALIAS NAME DOCUMENT CATEGORY CODE DOCUMENT IDENTIFIER DOCUMENT-ASSOCIATION REASON CODE	
(3.6.6.o.6 Restrictions on use.) CAPABILITY CONSTRAINT INDICATOR CODE	
(3.6.6.p Courseware flow chart.) DOCUMENT IDENTIFIER	
(3.7 Advanced Distributed Learning (ADL) requirements. Requirements for ADL shall support accessibility, interoperability, durability, reusability, adaptability, and affordability of courseware content.) AUDITORY-CUE VOLUME CODE COURSE IDENTIFIER DOCUMENT-REPRESENTATION DELIVERY RATE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE GENERATE-COMMENT-ACTIVITY DATE-TIME GENERATE-COMMENT-ACTIVITY TEXT INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT MAXIMUM DURATION QUANTITY INSTRUCTIONAL-UNIT-SECTION IDENTIFIER INSTRUCTIONAL-UNIT-TERMINATION CATEGORY CODE INSTRUCTIONAL-UNIT-TERMINATION REASON CODE INSTRUCTIONAL-UNIT-TEST MAXIMUM SCORE QUANTITY INSTRUCTIONAL-UNIT-TEST MINIMUM SCORE QUANTITY INSTRUCTIONAL-UNIT-TEST PASSING SCORE QUANTITY LANGUAGE CODE LEARNER-ACTIVITY DESCRIPTION TEXT LEARNER-ACTIVITY EXPECTED RESPONSE CODE LEARNER-ACTIVITY EXPECTED RESPONSE RATE LEARNER-ACTIVITY TYPE CODE LEARNING-OBJECTIVE DESCRIPTION TEXT LEARNING-OBJECTIVE IDENTIFIER MULTIPLE-TRIAL-ACTIVITY DESCRIPTION TEXT	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
MULTIPLE-TRIAL-ACTIVITY QUANTITY OBSERVABLE-ACTION-BEHAVIOR DESCRIPTION TEXT OBSERVABLE-ACTION-BEHAVIOR-MEASUREMENT QUANTITY OBSERVABLE-ACTION-BEHAVIOR-SENSORY-STIMULUS-CUE DELAY TOLERANCE QUANTITY ORGANIZATION NAME ORGANIZATION-NAME TEXT ORGANIZATION-NON-USPS-POSTAL-ADDRESS BASIC TEXT ORGANIZATION-NON-USPS-POSTAL-ADDRESS CITY REGION TEXT ORGANIZATION-NON-USPS-POSTAL-ADDRESS SUPPLEMENTAL TEXT ORGANIZATION-USPS-POSTAL-ADDRESS LAST LINE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS PRIMARY TEXT ORGANIZATION-USPS-POSTAL-ADDRESS PRIVATE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS SECONDARY TEXT PERFORMANCE-OBJECTIVE NAME PERFORMANCE-STANDARD DESCRIPTION TEXT PERSON FULL LEGAL NAME PERSON STREET ADDRESS TEXT PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE DESCRIPTION TEXT PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT-SCORE QUANTITY PERSON-INSTRUCTIONAL-UNIT-STATUS CODE PERSON-INSTRUCTIONAL-UNIT-STATUS EFFECTIVE CALENDAR DATE PERSON-NAME-USAGE CODE PERSON-OCCUPATION INFORMATION TEXT PERSON-ORGANIZATION PERSON ROLE CODE PERSON-TEST SCORE QUANTITY PERSON-TYPE IDENTIFIER STUDENT IDENTIFIER	
(3.7.1 Courseware interoperability. Training materials interoperability data shall provide information concerning the capability of training materials to be used in a variety of training management systems as follows:) AUDITORY-CUE VOLUME CODE COURSE IDENTIFIER DOCUMENT-REPRESENTATION DELIVERY RATE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE GENERATE-COMMENT-ACTIVITY DATE-TIME GENERATE-COMMENT-ACTIVITY TEXT INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL-UNIT MAXIMUM DURATION QUANTITY	
INSTRUCTIONAL-UNIT-SECTION IDENTIFIER	
INSTRUCTIONAL-UNIT-TERMINATION CATEGORY CODE	
INSTRUCTIONAL-UNIT-TERMINATION REASON CODE	
INSTRUCTIONAL-UNIT-TEST MAXIMUM SCORE QUANTITY	
INSTRUCTIONAL-UNIT-TEST MINIMUM SCORE QUANTITY	
INSTRUCTIONAL-UNIT-TEST PASSING SCORE QUANTITY	
LANGUAGE CODE	
LEARNER-ACTIVITY DESCRIPTION TEXT	
LEARNER-ACTIVITY EXPECTED RESPONSE CODE	
LEARNER-ACTIVITY EXPECTED RESPONSE RATE	
LEARNER-ACTIVITY TYPE CODE	
LEARNING-OBJECTIVE DESCRIPTION TEXT	
LEARNING-OBJECTIVE IDENTIFIER	
MULTIPLE-TRIAL-ACTIVITY DESCRIPTION TEXT	
MULTIPLE-TRIAL-ACTIVITY QUANTITY	
OBSERVABLE-ACTION-BEHAVIOR DESCRIPTION TEXT	
OBSERVABLE-ACTION-BEHAVIOR-MEASUREMENT QUANTITY	
OBSERVABLE-ACTION-BEHAVIOR-SENSORY-STIMULUS-CUE DELAY TOLERANCE QUANTITY	
ORGANIZATION NAME	
ORGANIZATION-NAME TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS BASIC TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS CITY REGION TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS SUPPLEMENTAL TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS LAST LINE TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS PRIMARY TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS PRIVATE TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS SECONDARY TEXT	
PERFORMANCE-OBJECTIVE NAME	
PERFORMANCE-STANDARD DESCRIPTION TEXT	
PERSON FULL LEGAL NAME	
PERSON STREET ADDRESS TEXT	
PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE DESCRIPTION TEXT	
PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE	
PERSON-INSTRUCTIONAL-UNIT-SCORE QUANTITY	
PERSON-INSTRUCTIONAL-UNIT-STATUS CODE	
PERSON-INSTRUCTIONAL-UNIT-STATUS EFFECTIVE CALENDAR DATE	
PERSON-NAME-USAGE CODE	
PERSON-OCCUPATION INFORMATION TEXT	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PERSON-ORGANIZATION PERSON ROLE CODE PERSON-TEST SCORE QUANTITY PERSON-TYPE IDENTIFIER STUDENT IDENTIFIER	
(3.7.1.a SCO data that identifies the following:) AUDITORY-CUE VOLUME CODE COURSE IDENTIFIER DOCUMENT-REPRESENTATION DELIVERY RATE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE GENERATE-COMMENT-ACTIVITY DATE-TIME GENERATE-COMMENT-ACTIVITY TEXT INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT MAXIMUM DURATION QUANTITY INSTRUCTIONAL-UNIT-SECTION IDENTIFIER INSTRUCTIONAL-UNIT-TERMINATION CATEGORY CODE INSTRUCTIONAL-UNIT-TERMINATION REASON CODE INSTRUCTIONAL-UNIT-TEST MAXIMUM SCORE QUANTITY INSTRUCTIONAL-UNIT-TEST MINIMUM SCORE QUANTITY INSTRUCTIONAL-UNIT-TEST PASSING SCORE QUANTITY LANGUAGE CODE LEARNER-ACTIVITY DESCRIPTION TEXT LEARNER-ACTIVITY EXPECTED RESPONSE CODE LEARNER-ACTIVITY EXPECTED RESPONSE RATE LEARNER-ACTIVITY TYPE CODE LEARNING-OBJECTIVE DESCRIPTION TEXT LEARNING-OBJECTIVE IDENTIFIER MULTIPLE-TRIAL-ACTIVITY DESCRIPTION TEXT MULTIPLE-TRIAL-ACTIVITY QUANTITY OBSERVABLE-ACTION-BEHAVIOR DESCRIPTION TEXT OBSERVABLE-ACTION-BEHAVIOR-MEASUREMENT QUANTITY OBSERVABLE-ACTION-BEHAVIOR-SENSORY-STIMULUS-CUE DELAY TOLERANCE QUANTITY ORGANIZATION NAME ORGANIZATION-NAME TEXT ORGANIZATION-NON-USPS-POSTAL-ADDRESS CITY REGION TEXT ORGANIZATION-NON-USPS-POSTAL-ADDRESS SUPPLEMENTAL TEXT ORGANIZATION-USPS-POSTAL-ADDRESS LAST LINE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS PRIMARY TEXT ORGANIZATION-USPS-POSTAL-ADDRESS PRIVATE TEXT ORGANIZATION-USPS-POSTAL-ADDRESS SECONDARY TEXT	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PERFORMANCE-OBJECTIVE NAME PERFORMANCE-STANDARD DESCRIPTION TEXT PERSON FULL LEGAL NAME PERSON STREET ADDRESS TEXT PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE DESCRIPTION TEXT PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE PERSON-INSTRUCTIONAL-UNIT-SCORE QUANTITY PERSON-INSTRUCTIONAL-UNIT-STATUS CODE PERSON-INSTRUCTIONAL-UNIT-STATUS EFFECTIVE CALENDAR DATE PERSON-NAME-USAGE CODE PERSON-OCCUPATION INFORMATION TEXT PERSON-ORGANIZATION PERSON ROLE CODE PERSON-TEST SCORE QUANTITY PERSON-TYPE IDENTIFIER PRODUCTION BROADCAST CODE PRODUCTION IDENTIFIER STUDENT IDENTIFIER	
(3.7.1.a.1 Electronic broadcast and transmission specifications applied.) PRODUCTION BROADCAST CODE PRODUCTION IDENTIFIER	
(3.7.1.a.2 Metadata tags that will support courseware object interoperability across platforms and systems, reusability, and Internet protocol compatibility.) INTERNAL-DATA-FIELD DEFINITION TEXT INTERNAL-DATA-FIELD NAME	
(3.7.1.b A listing of CSF hierarchy, sub-structure, sequencing, global properties, assignable units, external references, and metadata tagging conventions and values that supports the capability for operating the course using a specific LMS.) AUDITORY-CUE VOLUME CODE COURSE IDENTIFIER DOCUMENT-REPRESENTATION DELIVERY RATE DOCUMENT-REPRESENTATION-ELEMENT TYPE CODE GENERATE-COMMENT-ACTIVITY DATE-TIME GENERATE-COMMENT-ACTIVITY TEXT INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT MAXIMUM DURATION QUANTITY	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL-UNIT-SECTION IDENTIFIER	
INSTRUCTIONAL-UNIT-TERMINATION CATEGORY CODE	
INSTRUCTIONAL-UNIT-TERMINATION REASON CODE	
INSTRUCTIONAL-UNIT-TEST MAXIMUM SCORE QUANTITY	
INSTRUCTIONAL-UNIT-TEST MINIMUM SCORE QUANTITY	
INSTRUCTIONAL-UNIT-TEST PASSING SCORE QUANTITY	
INTERNAL-DATA-FIELD DEFINITION TEXT	
INTERNAL-DATA-FIELD NAME	
LANGUAGE CODE	
LEARNER-ACTIVITY DESCRIPTION TEXT	
LEARNER-ACTIVITY EXPECTED RESPONSE CODE	
LEARNER-ACTIVITY EXPECTED RESPONSE RATE	
LEARNER-ACTIVITY TYPE CODE	
LEARNING-OBJECTIVE DESCRIPTION TEXT	
LEARNING-OBJECTIVE IDENTIFIER	
MULTIPLE-TRIAL-ACTIVITY DESCRIPTION TEXT	
MULTIPLE-TRIAL-ACTIVITY QUANTITY	
OBSERVABLE-ACTION-BEHAVIOR DESCRIPTION TEXT	
OBSERVABLE-ACTION-BEHAVIOR-MEASUREMENT QUANTITY	
OBSERVABLE-ACTION-BEHAVIOR-SENSORY-STIMULUS-CUE DELAY TOLERANCE QUANTITY	
ORGANIZATION IDENTIFIER	
ORGANIZATION NAME	
ORGANIZATION-NAME TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS BASIC TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS CITY REGION TEXT	
ORGANIZATION-NON-USPS-POSTAL-ADDRESS SUPPLEMENTAL TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS LAST LINE TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS PRIMARY TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS PRIVATE TEXT	
ORGANIZATION-USPS-POSTAL-ADDRESS SECONDARY TEXT	
PERFORMANCE-OBJECTIVE NAME	
PERFORMANCE-STANDARD DESCRIPTION TEXT	
PERSON FULL LEGAL NAME	
PERSON STREET ADDRESS TEXT	
PERSON-INSTRUCTIONAL-ACTIVITY-PERFORMANCE DESCRIPTION TEXT	
PERSON-INSTRUCTIONAL-UNIT BEGIN CALENDAR DATE	
PERSON-INSTRUCTIONAL-UNIT-SCORE QUANTITY	
PERSON-INSTRUCTIONAL-UNIT-STATUS CODE	
PERSON-INSTRUCTIONAL-UNIT-STATUS EFFECTIVE CALENDAR DATE	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PERSON-NAME-USAGE CODE PERSON-OCCUPATION INFORMATION TEXT PERSON-ORGANIZATION PERSON ROLE CODE PERSON-TEST SCORE QUANTITY PERSON-TYPE IDENTIFIER STUDENT IDENTIFIER	
(3.7.2 Training portal infrastructure support. This data shall provide software required for administrators, instructors, and students in an ADL environment to include:) INTERNET-INSTRUCTIONAL-CLASS DELIVERY FORMAT CODE SOFTWARE-REQUIREMENT INSTALLATION CODE SOFTWARE-REQUIREMENT-TYPE NAME SOFTWARE-REQUIREMENT-TYPE TEXT	
(3.7.2.a An LMS (i.e., the primary interface for administrative functions of the training site.) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER ORGANIZATION IDENTIFIER	
(3.7.2.b A CMS (i.e., enables the direct interaction between the student and the courseware and is the presentation interface for the course).) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER ORGANIZATION IDENTIFIER	
(3.7.2.c Courseware development/authoring tools (i.e., provides a means for developing course content and maintaining that content).) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER ORGANIZATION IDENTIFIER	
(3.7.2.d Communication tools (i.e., used to enable instructor-to-student and student-to-student interaction (in both synchronous and asynchronous modes)).) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET TYPE CODE INFORMATION-ASSET VERSION IDENTIFIER ORGANIZATION IDENTIFIER	
(3.7.2.e Resource references (i.e., links to library and reference sources).) DOCUMENT IDENTIFIER	
(3.7.2.f A description of hardware requirements and specifications required to	

TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
operate the training portal infrastructure support software.) DATA-PROCESSING-EQUIPMENT TYPE NAME MATERIEL-ITEM IDENTIFIER SOFTWARE-REQUIREMENT-TYPE NAME	

5. End of DI-SESS-81526B.