

DATA ITEM DESCRIPTION

TITLE: INSTRUCTIONAL MEDIA DESIGN PACKAGE

Number: DI-ALSS-81520A

Approval Date: 30 July 1999

AMSC Number: N7342

Limitation:

DTIC Applicable: No

GIDEP Applicable: No

Office Of Primary Responsibility: N/AS/PMA205

Applicable Forms: None

Use/relationship: The Instructional Media Design Package provides the design documentation for the development and production of courseware.

- a. This Data Item Description (DID) contains the preparation instructions for the content and format of the Instructional Media Design Package.
- b. This DID contains the format, content, and intended use information for the data product resulting from the performance requirements described by 3.2.4 of MIL-PRF-29612A, and is applicable to the acquisition of training data products. Data product performance evaluation criteria are specified in 4.3.4 and 4.3.9 of MIL-PRF-29612A.
- c. It is not intended that all the requirements contained herein should 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-81520.

Requirements:

1. Format. The format of data contained within this DID is as follows:
 - a. For paper-based products contractor format is acceptable.
 - b. Standard digital data shall comply with the content and format requirements specified in the Defense Data Dictionary System (DDDS).
2. Content. The Instructional Media Design Package shall contain the following:
 - 2.1 Front matter. The content of front matter shall be in accordance with Appendix A of MIL-PRF-29612A.
 - 2.2 Summary description of training. The training summary shall provide a brief description of training materials being developed. The summary shall include:
 - a. Training program title, identifier, and version identifier.
 - b. A brief description of the major topics.
 - c. Number of instructional hours training materials will be used.
 - d. A listing of the methodologies employed in the design, development, implementation, and presentation of the training program.
 - e. A listing of the equipment being simulated in the training program.

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- f. Location of the training sites.
- g. Location of the administrative repository for the reports and evaluation materials to include necessary points of contact, addresses, and telephone number(s).
- h. Keyword listing.
- i. A description of the target audience to include occupational specialty and skill level.
- j. Operational equipment designator and nomenclature covered by the training program.
- k. Associated course(s) title and identification number.
- l. Developmental software product name(s), version, vendor name, and Government rights code.
- m. Operating system name, version, and additional software drivers required to operate the training program.
- n. Portability standards name and version identifier.
- o. Delivery system requirements description to include minimum free system memory, central processing unit type and speed, minimum hard drive storage space, number of disc drives and types, graphics adapter type, and input/output devices.
- p. Security requirements code.
- q. Security classification code and restrictions to distribution code.

2.3 Courseware design strategy. This data shall provide descriptions of elements required to design the courseware. The data shall also include over-teaching, integrated and isolated practices, front loading, prerequisite skills, combined task practices, media features, branching strategies, learning events, ratio of drill and practice, degree of simulation, and frequency of testing. The required elements shall include:

2.3.1 Conventions. This data shall identify the techniques, practices, principles, or procedures to be used throughout the design and presentation of the module or lesson. Conventions shall define the use of text (font size, type, color, background, placement), menus, warnings, cautions, procedures, tests, screen direction, placement of cues, touch areas, keys or other input devices, motion, stills, image source, audio configuration, and narration.

2.3.2 Course title and description. This data shall provide the title(s) and a brief description of the course(s).

2.3.3 Course task data. The data shall identify the specific tasks being supported and shall include the following:

2.3.3.1 Specific tasks. The data shall identify all tasks to be supported by the course and courseware. This information shall be provided as a narrative list and will provide the logical delivery sequence of the course and shall be consecutively numbered.

2.3.3.2 Estimated time to complete. The data shall provide an estimated time required for an average trainee to complete each course component.

2.3.3.3 Recommendations. This data shall include the identification of specific technical requirements and source material to enhance the design effort.

2.3.4 References. This data shall include the complete title and number of all reference materials used in course or courseware design.

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2.3.5 Safety, hazard, or environmental considerations. This data shall include all safety, hazard, or environmental considerations.

2.3.6 Interface design and controls. This data shall describe interfaces and controls which support the input and pacing of trainee performance. The data to be provided shall include descriptions of the following:

- a. Practice, remediation or branching as controlled by the trainee or system instructor.
- b. Trainee practices (e.g., independent or practice including team interaction).
- c. How the system shall be able to vary presentation rate to individual trainee ability.
- d. How the system shall be able to vary the sequence and range of presentation based on trainee ability.
- e. How the system shall allow the instructor to provide input during training or effect the individual or group performance pace and path.
- f. How the portability commands and interface mechanisms supporting interface and controls shall be identified.

2.3.7 Test design strategy. This data shall provide a description of test scenarios, applying test items, presentation sequence, appropriate learning types and levels, frequency, student interface, remediation options, and performance tracking.

2.3.8 Abnormal operating conditions to be simulated. This data shall provide a description of abnormal operating condition(s) which may affect accomplishment of performance standards.

2.3.9 Course overview. This data shall identify each module or lesson of an instructional unit, and the recommended presentation sequence for all modules or lessons, and any interrelationships.

2.3.10 Course schedule. This data shall include a chart showing the course's daily and weekly schedule, learning objectives, enabling learning objectives, knowledge, skills, attitudes, instructional events, and media selected.

2.3.11 Performance tracking control features for instructional media. This data shall identify all course control and instructional media control features, their interrelationships, and their respective rationale. It shall include the following performance tracking and support features:

- a. Trainee data to be collected, (e.g., name, rank, social security number, job position, training requirement, address).
- b. Tracking of individual trainee progress through a course, (e.g., test scores).
- c. Listing of individual and aggregate test scores and times.
- d. Analysis of test items response branching.
- e. Courseware routing (allows for entry, re-entry and instructor intervention).
- f. Record of courseware and hardware usage by:
 - (1) Student.
 - (2) Instructor.
 - (3) Support personnel.
- g. Schedule of trainees, equipment, ranges, and other resources.
- h. Inventory of course materials (e.g., expendables, ordnance, fuels).

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- i. A description of all management reports to be generated for supervisors and trainees.

2.4 Lesson strategy. The lesson strategies shall contain the following:

2.4.1 Organization and format. This data shall describe the organization and format of the lesson and segment strategies. It shall list the headers or section designators that are used, explain the meaning of each designator, and describe the type of information that is found under each. A key shall be used to explain the symbology. This explanation shall be supported with one or more illustrative examples. The lesson strategy shall exhibit traceability to the courseware development process and shall include:

- a. A reference number, a unit number, and lesson number referenced from the syllabus.
- b. A short title description of the subject to be covered. The title shall be taken from the syllabus lesson title.
- c. A description of the media for each lesson.
- d. A list of Learning Objectives (LOs) covered by each medium.
- e. A brief overview of the content of the lesson shall be provided for lesson authors, Subject Matter Experts (SMEs), and students. The overview shall also include an explanation of why the lesson is required, how it is related to previous lessons, and how the lesson fits into the total program.

2.4.2 Learning objectives. The LOs shall describe the type and level of learning required for each LO. Each LO shall have two numbers assigned: (1) a sequence number to indicate its order of presentation and (2) an identification number to indicate its rank in the LO hierarchy.

2.4.3 Unit and lesson maps. The unit map shall contain a flow diagram showing the sequences and relationships among lessons in the instructional unit. The lesson map shall include a flow diagram showing the hierarchical relationships among lesson objectives.

2.4.4 Lesson design strategy. The lesson design strategies shall describe decision making processes and strategies to be used in designing and implementing the presentation of material and testing student mastery of subject matter. Specific strategies shall include an instructional strategy for each lesson learning phase, methods of interaction, procedures which assure testing at appropriate learning types and levels, and remediation. Segments to be tested shall be identified and the method of testing defined. (Specific emphasis should be placed on the design strategy for developing and implementing the instructional media into the training program and equipment.) Training, learning, and branching strategies shall also be included, when required. All strategies used shall be appropriately labeled and sequenced under the title description. The lesson design strategy shall identify the conventional techniques, practices, principles, or procedures to be used throughout the design and development of the instructional media module or lesson. The following information shall also be provided:

- a. A statement of what type behavior the student must exhibit in order to master the LO.
- b. The facts to be memorized, the critical attributes of a concept, the steps to follow in applying a rule or procedure, or the cause and effect relationship of a principle.

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- Aids shall be included in the instructional content to help the student recall. The strategies data shall list the most common errors made by the student when learning.
- c. A description of instance production and shall include each type of scenario that is to be included in the examples, practice, and test items. A table shall be provided listing the total number of examples, practice and test items that the lesson author must produce for each type of scenario.
 - d. A description of the theoretical basis upon which each instructional strategy is employed.

2.4.5 Test items. The test items shall include the type of test and the approach for feedback and remediation based on the lesson design strategy. A list of the test items to be used in measuring the student's knowledge shall be provided and include a statement of the minimum acceptable passing criteria for the lesson or segment. A list of examples and practice exercises to be used in support of the instruction shall also be provided.

2.4.6 Lesson format guide. The lesson format guide shall contain explanations of how each section of the lesson and segment specifications will be used during lesson authoring. Special instructions or additional information shall be provided to ensure accurate communication of the content for authors and artists. It shall contain a description of the following:

- a. Text and graphic layout conventions.
- b. Interpretation of lesson strategies.
- c. Data sources for expansion of lesson strategies.
- d. Learning strategy guidelines.
- e. Use of symbology.
- f. Titling.
- g. Figure numbering.
- h. Referencing conventions.
- i. Page numbering.

2.4.7 Prototype lesson. The prototype lesson shall consist of courseware, to include supporting design and developmental documentation. (This prototype will demonstrate how the format guide is to be used in conjunction with a lesson strategy to produce the required lessons.)

2.4.8 Instructional media resource requirements. The data shall contain a summary of required resources to include:

- a. An estimate of the visual and audio resources needed to support the course as follows:
 - (1) Existing and new resource footage (e.g., video, audio, film, slides, photographs, graphics, and artwork).
 - (2) Support requirements (e.g., props, equipment, SMEs, military and civilian personnel).
 - (3) Talent.
 - (4) Field environment, (e.g., ranges, ships).
 - (5) Studio requirement.

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- (6) Special equipment.
 - (7) Costumes and uniforms.
 - (8) Lighting.
 - (9) Animation rationale, source, and extent of usage.
- b. A list of the material to be presented during the course.
 - c. A list of any adjunctive materials required to support the course.
 - d. A description of the types of personnel and their respective roles and responsibilities for lesson development.

2.5 Courseware logic flow diagrams. Courseware logic flow diagrams shall include all defined lesson tasks with references, information frame or sequence, decision points, branching options, remediation, and other screen activities. All flow diagram symbols used shall be clearly defined. Flow diagrams shall include:

- a. All blocks of instruction and decision points.
- b. All program paths or branches.
- c. Video, graphics, and text frames with reference and sequence numbers.
- d. Audio, still frame, and other audio configurations with reference and sequence numbers.
- e. Performance decision notes.
- f. Processing and design decision information that supports the remediation, non-scored test items, motion sequences, computer processing, performance update, scored test items, scoring routine, and database search commands to be used.
- g. A legend identifying key symbols that connect elements of the flow diagram.

3. 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.

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TABLE 1. Standard digital data requirements

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(2. <u>Content</u> . The Instructional Media Design Package shall contain the following:) DOCUMENT IDENTIFIER DOCUMENT Name (SDE) DOCUMENT NAME Type Code DOCUMENT Purpose Code DOCUMENT TYPE Code (Dev)	
(2.1 <u>Front matter</u> . The content of front matter shall be in accordance with Appendix A of MIL-PRF-29612A.) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT Category Code DOCUMENT Date (Dev) DOCUMENT DATE Type Code DOCUMENT IDENTIFIER DOCUMENT Name (SDE) DOCUMENT NAME Type Code DOCUMENT Purpose Code DOCUMENT Purpose Text DOCUMENT STANDARD STATEMENT Text DOCUMENT STANDARD STATEMENT Type Code DOCUMENT TYPE Code (Dev) EDUCATIONAL-DISCIPLINE CODE EVALUATION EVENT Reason Code EVALUATION METHODOLOGY Identifier EVENT IDENTIFIER EVENT RESULT Identifier EVENT TYPE Code EXAMINATION IDENTIFIER GUIDANCE CATEGORY CODE GUIDANCE DOCUMENT Reason Code GUIDANCE IDENTIFIER GUIDANCE Purpose Code GUIDANCE TEXT GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT EDUCATIONAL DISCIPLINE Reason Code INSTRUCTIONAL UNIT TOPIC Code INSTRUCTIONAL-UNIT DESCRIPTION TEXT INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT MATERIEL GUIDANCE Reason Code MATERIEL ITEM TYPE CODE (SDE) MATERIEL-ITEM IDENTIFIER METHODOLOGY Identifier OCCUPATION NAME OCCUPATION-INSTRUCTIONAL-UNIT REASON CODE OCCUPATIONAL SPECIALTY CODE Identifier OCCUPATIONAL SPECIALTY CODE Type Code ORGANIZATION DOCUMENT Organization Role Code ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER	

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DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
ORGANIZATION TYPE CATEGORY CODE (SDE)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE ORGANIZATION-GUIDANCE REASON CODE ORGANIZATION-INSTRUCTIONAL-UNIT-ROLE CODE ORGANIZATION-NAME TEXT ORGANIZATION-OCCUPATION REASON CODE POSITION Description Text POSITION IDENTIFIER POSITION-TASK-TYPE BEGIN DATE POSITION-TASK-TYPE END DATE POSITION-TASK-TYPE REASON CODE RISK GUIDANCE Identifier RISK Identifier RISK LEVEL Code RISK Type Code TASK DOCUMENT Reason Code TASK IDENTIFIER	
(2.2 <u>Summary description of training.</u> The training summary shall provide a brief description of training materials being developed. The summary shall include:) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT Category Code DOCUMENT IDENTIFIER DOCUMENT NAME Type Code DOCUMENT Purpose Code INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE	
(2.2 a. Training program title, identifier, and version identifier.) INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL UNIT Version Identifier INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT	
(2.2 b. A brief description of the major topics.) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT TOPIC Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE	
(2.2 c. Number of instructional hours training materials will be used.) INSTRUCTIONAL UNIT MATERIEL Duration Quantity INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL Description Text MATERIEL IDENTIFIER	
(2.2 d. A listing of the methodologies employed in the design, development, implementation, and presentation of the training program.) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT METHODOLOGY Description Text INSTRUCTIONAL UNIT METHODOLOGY Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL-CLASS-METHOD CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE METHODOLOGY Description Text METHODOLOGY Identifier METHODOLOGY Type Code	
(2.2 e. A listing of the equipment being simulated in the training program.) INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE MATERIEL Description Text MATERIEL IDENTIFIER MATERIEL-ITEM IDENTIFIER MATERIEL-ITEM TYPE CODE	
(2.2 f. Location of the training sites.) FACILITY IDENTIFIER FACILITY-LOCATION ASSOCIATION CODE FACILITY-LOCATION IDENTIFIER FACILITY-LOCATION SEQUENCE IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER LOCATION IDENTIFIER ORGANIZATION IDENTIFIER ORGANIZATION INSTRUCTIONAL UNIT ROLE CODE (SDE) ORGANIZATION-FACILITY IDENTIFIER ORGANIZATION-FACILITY-REASON CODE ORGANIZATION-INSTRUCTIONAL-UNIT-ROLE CODE	
(2.2 g. Location of the administrative repository for the reports and evaluation materials to include necessary points of contact, addresses, and telephone number(s).) DOCUMENT IDENTIFIER LOCATION IDENTIFIER ORGANIZATION DOCUMENT Organization Role Code ORGANIZATION DOCUMENT Reason Code ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE ORGANIZATION-LOCATION ASSOCIATION CODE PERSON IDENTIFIER PERSON TELEPHONE NUMBER Text PERSON TELEPHONE NUMBER Type Code PERSON-NAME CATEGORY CODE PERSON-NAME TEXT PERSON-ORGANIZATION BEGIN DATE PERSON-ORGANIZATION END DATE PERSON-ORGANIZATION PERSON ROLE CODE	
(2.2 h. Keyword listing.) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT Category Code DOCUMENT IDENTIFIER DOCUMENT NAME Type Code DOCUMENT Purpose Code	
(2.2 i. A description of the target audience to include occupational specialty and skill level.) CERTIFICATION IDENTIFIER CERTIFICATION-TYPE IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
EXAMINATION EXAMINATION TYPE Identifier EXAMINATION IDENTIFIER EXAMINATION TYPE Code INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT REQUIREMENT Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE OCCUPATIONAL SPECIALTY CODE Identifier OCCUPATIONAL SPECIALTY CODE Type Code PERSON EXAMINATION Identifier PERSON EXAMINATION Performance Quantity. PERSON EXAMINATION Reason Code PERSON IDENTIFIER PERSON PERSON TYPE Identifier PERSON TYPE CERTIFICATION TYPE Role Code PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-CERTIFICATION-ROLE CODE PERSON-TYPE IDENTIFIER PERSONNEL SKILL Identifier PERSONNEL SKILL OCCUPATIONAL GROUP CODE (SDE) PERSONNEL SKILL Proficiency Code PERSONNEL-SKILL OCCUPATIONAL GROUP CODE PSYCHOMOTOR SKILL CATEGORY Code PSYCHOMOTOR SKILL TYPE Identifier REQUIREMENT Identifier REQUIREMENT Type Code SKILL IDENTIFIER	
(2.2 j. Operational equipment designator and nomenclature covered by the training program.) INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE MATERIEL ALTERNATE IDENTIFIER MATERIEL ALTERNATE IDENTIFIER Identifier MATERIEL ALTERNATE IDENTIFIER Type Code MATERIEL IDENTIFIER	
(2.2 k. Associated course(s) title and identification number.) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT	
(2.2 l. Developmental software product name(s), version, vendor name, and Government rights code.) GUIDANCE-CITATION SPECIAL ADMINISTRATION TYPE CODE INFORMATION ASSET GUIDANCE Identifier INFORMATION ASSET ORGANIZATION Reason Code INFORMATION ASSET TYPE CODE (SDE) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INFORMATION-ASSET VERSION IDENTIFIER INFORMATION-ASSET-ORGANIZATION ROLE TYPE CODE INFORMATION-SYSTEM TYPE CODE INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL-UNIT IDENTIFIER ORGANIZATION IDENTIFIER ORGANIZATION-NAME TEXT	
(2.2 m. Operating system name, version, and additional software drivers required to operate the training program.) INFORMATION ASSET TYPE CODE (SDE) INFORMATION-ASSET IDENTIFIER INFORMATION-ASSET NAME INFORMATION-ASSET VERSION IDENTIFIER INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE	
(2.2 n. Portability standards name and version identifier.) GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE NAME GUIDANCE Purpose Code GUIDANCE TYPE Code (Dev) GUIDANCE-AMENDMENT IDENTIFIER GUIDANCE-ASSOCIATION RELATIONSHIP REASON CODE GUIDANCE-CITATION TYPE CODE INFORMATION ASSET GUIDANCE Identifier INFORMATION-ASSET IDENTIFIER	
(2.2 o. Delivery system requirements description to include minimum free system memory, central processing unit type and speed, minimum hard drive storage space, number of disc drives and types, graphics adapter type, and input/output devices.) HARDWARE-REQUIREMENT-TYPE NAME INFORMATION ASSET HARDWARE TYPE Code INFORMATION ASSET MATERIEL TYPE Reason Code INFORMATION ASSET TYPE CODE (SDE) INFORMATION SYSTEM HARDWARE CHARACTERISTIC Code INFORMATION-ASSET IDENTIFIER MATERIEL IDENTIFIER MATERIEL-ASSOCIATION IDENTIFIER	
(2.2 p. Security requirements code.) GUIDANCE CATEGORY CODE GUIDANCE Purpose Code GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT GUIDANCE Reason Code INSTRUCTIONAL-UNIT IDENTIFIER REQUIREMENT Description Text REQUIREMENT GUIDANCE Reason Code REQUIREMENT Identifier	
(2.2 q. Security classification code and restrictions to distribution code.) DISTRIBUTION RESTRICTION Code DISTRIBUTION RESTRICTION Identifier GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE Purpose Code	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT DISTRIBUTION RESTRICTION Identifier INSTRUCTIONAL UNIT GUIDANCE Reason Code INSTRUCTIONAL UNIT SECURITY CLASSIFICATION Code INSTRUCTIONAL-UNIT IDENTIFIER SECURITY CLASSIFICATION Code SECURITY CLASSIFICATION Identifier	
<p>(2.3 <u>Courseware design strategy</u>. This data shall provide descriptions of elements required to design the courseware. The data shall also include over-teaching, integrated and isolated practices, front loading, prerequisite skills, combined task practices, media features, branching strategies, learning events, ratio of drill and practice, degree of simulation, and frequency of testing. The required elements shall include:)</p> DOCUMENT TYPE Code (Dev) GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER INSTRUCTIONAL CLASS METHOD CODE (SDE) INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL UNIT METHODOLOGY Description Text INSTRUCTIONAL UNIT METHODOLOGY Reason Code INSTRUCTIONAL-CLASS-METHOD CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT LEARNING EVENT Type Code LEARNING OBJECTIVE LEARNING EVENT Reason Code LEARNING OBJECTIVE LEARNING STRATEGY Reason Code LEARNING OBJECTIVE MEDIA Reason Code MEDIA Identifier MEDIA METHODOLOGY Reason Code MEDIA Purpose Code MEDIA TYPE Category Code METHODOLOGY GUIDANCE Reason Code METHODOLOGY Identifier METHODOLOGY Type Code REMEDIATION Response Type Identifier STRATEGY GUIDANCE TYPE Code	
<p>(2.3.1 <u>Conventions</u>. This data shall identify the techniques, practices, principles, or procedures to be used throughout the design and presentation of the module or lesson. Conventions shall define the use of text (font size, type, color, background, placement), menus, warnings, cautions, procedures, tests, screen direction, placement of cues, touch areas, keys or other input devices, motion, stills, image source, audio configuration, and narration.)</p> DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT ELEMENT Identifier DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE FORMAT ELEMENT Reason Code DOCUMENT IDENTIFIER INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT DESCRIPTION TEXT INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-NAME TEXT	
<p>(2.3.2 <u>Course title and description</u>. This data shall provide the title(s) and a brief description of the course(s).)</p> INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
LEARNING-OBJECTIVE IDENTIFIER TASK IDENTIFIER TASK LEARNING OBJECTIVE Reason Code	
(2.3.3 <u>Course task data</u> . The data shall identify the specific tasks being supported and shall include the following:) INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL-ASSOCIATION IDENTIFIER PERSON PERSON TYPE Identifier PERSON TYPE INSTRUCTIONAL UNIT Estimated Begin Date PERSON TYPE INSTRUCTIONAL UNIT Estimated End Date PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-MATERIEL-ITEM BEGIN TIME PERSON-MATERIEL-ITEM END TIME PERSON-MATERIEL-ITEM REASON CODE PERSON-TYPE IDENTIFIER	
(2.3.3.1 <u>Specific tasks</u> . The data shall identify all tasks to be supported by the course and courseware. This information shall be provided as a narrative list and will provide the logical delivery sequence of the course and shall be consecutively numbered.) DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT MEDIA Identifier INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT LEARNING-OBJECTIVE IDENTIFIER MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code TASK IDENTIFIER TASK LEARNING OBJECTIVE Reason Code	
(2.3.3.2 <u>Estimated time to complete</u> . The data shall provide an estimated time required for an average trainee to complete each course component.) ANALYSIS SAMPLE Identifier ANALYSIS SAMPLE Requirement Quantity ANALYSIS SAMPLE Requirement Quantity Type Code ANALYSIS SAMPLE Requirement Type Code INSTRUCTIONAL-UNIT ESTIMATED DURATION QUANTITY INSTRUCTIONAL-UNIT IDENTIFIER PERSON TYPE ANALYSIS Reason Code PERSON TYPE INSTRUCTIONAL UNIT Estimated Begin Date PERSON TYPE INSTRUCTIONAL UNIT Estimated End Date PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER	
(2.3.3.3 <u>Recommendations</u> . This data shall include the identification of specific technical requirements and source material to enhance the design effort.) ANALYSIS ALTERNATIVE Identifier ANALYSIS Identifier (Dev) DOCUMENT Date (Dev) DOCUMENT DATE Type Code DOCUMENT IDENTIFIER DOCUMENT Name (SDE)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT NAME Type Code DOCUMENT Purpose Code DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT ANALYSIS Reason Code INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code ORGANIZATION DOCUMENT Organization Role Code ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE PERSON DOCUMENT Person Role Code PERSON IDENTIFIER PERSON-NAME CATEGORY CODE PERSON-NAME TEXT	
(2.3.4 <u>References</u> . This data shall include the complete title and number of all reference materials used in course or courseware design.) DOCUMENT IDENTIFIER DOCUMENT Name (SDE) DOCUMENT NAME Type Code INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.3.5 <u>Safety, hazard, or environmental considerations</u> . This data shall include all safety, hazard, or environmental considerations.) GUIDANCE CATEGORY CODE GUIDANCE Purpose Code GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT GUIDANCE Reason Code INSTRUCTIONAL UNIT RISK Reason Code INSTRUCTIONAL-UNIT IDENTIFIER RISK ASSESSMENT Quantity RISK Identifier RISK Type Code	
(2.3.6 <u>Interface design and controls</u> . This data shall describe interfaces and controls which support the input and pacing of trainee performance. The data to be provided shall include descriptions of the following:) AFFECTIVE ATTITUDE Identifier DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT MEDIA Identifier INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE KNOWLEDGE TYPE Category Code KNOWLEDGE TYPE Identifier LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING TYPE Category Code LEARNING TYPE Identifier LEARNING-OBJECTIVE IDENTIFIER MEDIA Identifier MEDIA Purpose Code	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
MEDIA TYPE Category Code PSYCHOMOTOR SKILL TYPE Identifier PSYCHOMOTOR SKILL TYPE Subcategory Code	
(2.3.6 a. Practice, remediation or branching as controlled by the trainee or system instructor.) DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT LEARNING STRATEGY Identifier MEDIA CONTROL Type Code MEDIA Identifier MEDIA METHODOLOGY Reason Code MEDIA PRACTICE CONTROL Level Code MEDIA Purpose Code MEDIA REMEDIATION CONTROL Level MEDIA TYPE Category Code METHODOLOGY Identifier METHODOLOGY Type Code PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER	
(2.3.6 b. Trainee practices (e.g., independent or practice including team interaction).) INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE PERSON TYPE INSTRUCTIONAL UNIT Person Type Number Code PERSON TYPE INSTRUCTIONAL UNIT Role Code	
(2.3.6 c. How the system shall be able to vary presentation rate to individual trainee ability.) INSTRUCTIONAL MODE MEDIA Reason Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-MATERIEL-ITEM REASON CODE MATERIEL ITEM MEDIA Reason Code MATERIEL-ASSOCIATION IDENTIFIER MEDIA Identifier MEDIA Purpose Code MODE TIME DIMENSION Code MODE Type Code	
(2.3.6 d. How the system shall be able to vary the sequence and range of presentation based on trainee ability.) INSTRUCTIONAL CLASS METHOD CODE (SDE) INSTRUCTIONAL MODE MEDIA Reason Code INSTRUCTIONAL MODE METHODOLOGY Reason Code INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT METHODOLOGY Description Text INSTRUCTIONAL UNIT METHODOLOGY Reason Code INSTRUCTIONAL-CLASS-METHOD CODE INSTRUCTIONAL-UNIT-MATERIEL-ITEM REASON CODE LEARNING STRATEGY Identifier MATERIEL ITEM MEDIA Reason Code MATERIEL-ASSOCIATION IDENTIFIER MEDIA Identifier	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
MEDIA Purpose Code MODE Identifier MODE TIME DIMENSION Code MODE Type Code	
(2.3.6 e. How the system shall allow the instructor to provide input during training or effect the individual or group performance pace and path.) CAPABILITY IDENTIFIER CAPABILITY TYPE Code (Dev) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-MATERIEL-ITEM REASON CODE MATERIEL CAPABILITY Identifier MATERIEL-ASSOCIATION IDENTIFIER PERSON PERSON TYPE Identifier PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-MATERIEL-ITEM REASON CODE PERSON-TYPE IDENTIFIER	
(2.3.6 f. How the portability commands and interface mechanisms supporting interface and controls shall be identified.) GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE NAME GUIDANCE Purpose Code GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT GUIDANCE TYPE Code (Dev) GUIDANCE-CITATION TYPE CODE MATERIEL ITEM GUIDANCE Identifier MATERIEL-ASSOCIATION IDENTIFIER	
(2.3.7 <u>Test design strategy</u> . This data shall provide a description of test scenarios, applying test items, presentation sequence, appropriate learning types and levels, frequency, student interface, remediation options, and performance tracking.) EVALUATION GUIDANCE Reason Code EVALUATION IDENTIFIER EVALUATION METHODOLOGY Identifier EVALUATION Type Code GUIDANCE CATEGORY CODE GUIDANCE Purpose Code GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT EVALUATION Reason Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING LEVEL Identifier LEARNING OBJECTIVE LEARNING LEVEL Reason Code LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING TYPE Category Code LEARNING-OBJECTIVE IDENTIFIER METHODOLOGY Description Text METHODOLOGY Identifier METHODOLOGY MATERIEL Reason Code	
(2.3.8 <u>Abnormal operating conditions to be simulated</u> . This data shall provide a description of abnormal operating condition(s) which may affect accomplishment of performance standards.) CAPABILITY IDENTIFIER CAPABILITY TYPE Code (Dev) INSTRUCTIONAL UNIT CAPABILITY Identifier	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL UNIT CAPABILITY Reason Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT LEARNING OBJECTIVE PERFORMANCE CONDITION Reason Code LEARNING-OBJECTIVE IDENTIFIER MEDIA Identifier MEDIA Purpose Code MODE Identifier MODE NORMALCY Dimension Code MODE PERFORMANCE QUALITY Dimension Code PERFORMANCE CONDITION Identifier PERFORMANCE CONDITION MODE Reason Code PERFORMANCE CONDITION TYPE Code TASK IDENTIFIER TASK LEARNING OBJECTIVE Reason Code	
(2.3.9 <u>Course overview</u> . This data shall identify each module or lesson of an instructional unit, and the recommended presentation sequence for all modules or lessons, and any interrelationships.) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-NAME TEXT	
(2.3.10 <u>Course schedule</u> . This data shall include a chart showing the course's daily and weekly schedule, learning objectives, enabling learning objectives, knowledge, skills, attitudes, instructional events, and media selected.) INSTRUCTIONAL UNIT METHODOLOGY Description Text INSTRUCTIONAL UNIT METHODOLOGY Reason Code INSTRUCTIONAL-CLASS-METHOD CODE INSTRUCTIONAL-UNIT ESTIMATED DURATION QUANTITY INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING ACTIVITY Identifier LEARNING EVENT LEARNING ACTIVITY Reason Code LEARNING LEVEL Identifier LEARNING OBJECTIVE LEARNING ACTIVITY Reason Code LEARNING OBJECTIVE LEARNING LEVEL Reason Code LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING OBJECTIVE SENSORY STIMULUS Reason Code LEARNING TYPE Category Code LEARNING-OBJECTIVE IDENTIFIER LEARNING-OBJECTIVE-ASSOCIATION REASON CODE MEDIA SENSORY STIMULUS Cue Indicator Code MEDIA TYPE Identifier SENSORY STIMULUS Cue Indicator Code SENSORY STIMULUS Identifier	
(2.3.11 <u>Performance tracking control features for instructional media</u> . This data shall identify all course control and instructional media control features, their interrelationships, and their respective rationale. It shall include the following performance tracking and support features:) CAPABILITY ASSOCIATION Reason Code CAPABILITY TYPE CODE	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
CAPABILITY TYPE Code (Dev) INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT MEDIA CAPABILITY Reason Code MEDIA Identifier MEDIA Purpose Code	
(2.3.11 a. Trainee data to be collected, (e.g., name, rank, social security number, job position, training requirement, address).) INSTRUCTIONAL CLASS INSTRUCTIONAL UNIT Reason Code INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER ORGANIZATION IDENTIFIER 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 IDENTIFIER PERSON PAY PLAN GRADE Code PERSON REQUIREMENT Identifier PERSON-INSTRUCTIONAL-CLASS ROLE CODE PERSON-NAME CATEGORY CODE PERSON-NAME TEXT PERSON-ORGANIZATION BEGIN DATE PERSON-ORGANIZATION END DATE PERSON-ORGANIZATION PERSON ROLE CODE PERSON-POSITION REASON CODE PERSON-POSITION-CATEGORY REASON CODE POSITION IDENTIFIER POSITION REQUIREMENT Reason Code REQUIREMENT Identifier REQUIREMENT Type Code	
(2.3.11 b. Tracking of individual trainee progress through a course, (e.g., test scores).) INSTRUCTIONAL CLASS INSTRUCTIONAL UNIT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERFORMANCE INDICATOR MEASUREMENT Type Code PERFORMANCE LEVEL Code PERFORMANCE LEVEL PERFORMANCE MEASUREMENT Reason Code PERFORMANCE-INDICATOR DESCRIPTION TEXT PERFORMANCE-INDICATOR IDENTIFIER PERSON IDENTIFIER PERSON INSTRUCTIONAL CLASS ROLE CODE (SDE) PERSON PERFORMANCE Reason Code PERSON-INSTRUCTIONAL-CLASS BEGIN DATE PERSON-INSTRUCTIONAL-CLASS END DATE PERSON-INSTRUCTIONAL-CLASS ROLE CODE TASK IDENTIFIER TASK LEARNING OBJECTIVE Reason Code TASK PERFORMANCE LEVEL Reason Code	
(2.3.11 c. Listing of individual and aggregate test scores and times.) EXAMINATION IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
EXAMINATION PERFORMANCE INDICATOR MEASUREMENT Identifier INSTRUCTIONAL CLASS EXAMINATION Begin Time INSTRUCTIONAL CLASS EXAMINATION End Time INSTRUCTIONAL CLASS INSTRUCTIONAL UNIT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER PERFORMANCE INDICATOR MEASUREMENT Type Code PERFORMANCE-INDICATOR DESCRIPTION TEXT PERFORMANCE-INDICATOR IDENTIFIER PERSON EXAMINATION Identifier PERSON IDENTIFIER PERSON INSTRUCTIONAL CLASS ROLE CODE (SDE) PERSON PERFORMANCE Reason Code PERSON-INSTRUCTIONAL-CLASS BEGIN DATE PERSON-INSTRUCTIONAL-CLASS END DATE PERSON-INSTRUCTIONAL-CLASS ROLE CODE	
(2.3.11 d. Analysis of test items response branching.) EXAMINATION IDENTIFIER EXAMINATION INQUIRY ITEM Identifier INQUIRY ITEM Identifier (Can) INQUIRY ITEM OUTCOME Result Recommendation Code INQUIRY ITEM OUTCOME Type Code INQUIRY ITEM PREDEFINED ANSWER Identifier INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE QUALITATIVE OUTCOME EXAMINATION INQUIRY ITEM Outcome Text QUANTITATIVE OUTCOME EXAMINATION INQUIRY ITEM Outcome Quantity	
(2.3.11 e. Courseware routing (allows for entry, re-entry and instructor intervention).) CAPABILITY IDENTIFIER CAPABILITY TYPE Code (Dev) DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT CAPABILITY Identifier INSTRUCTIONAL UNIT CAPABILITY Reason Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER	
(2.3.11 f. Record of courseware and hardware usage by:) INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL-ASSOCIATION IDENTIFIER PERSON PERSON TYPE Identifier PERSON TYPE INSTRUCTIONAL UNIT Estimated Begin Date PERSON TYPE INSTRUCTIONAL UNIT Estimated End Date PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-MATERIEL-ITEM BEGIN TIME PERSON-MATERIEL-ITEM END TIME PERSON-MATERIEL-ITEM REASON CODE PERSON-TYPE IDENTIFIER	
(2.3.11 f(1) Student.) PERSON TYPE INSTRUCTIONAL UNIT Role Code	
(2.3.11 f(2) Instructor.)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
PERSON TYPE INSTRUCTIONAL UNIT Role Code	
(2.3.11 f(3) Support personnel.) PERSON TYPE INSTRUCTIONAL UNIT Role Code	
(2.3.11 g. Schedule of trainees, equipment, ranges, and other resources.) FACILITY IDENTIFIER INSTRUCTIONAL CLASS Duration Quantity INSTRUCTIONAL CLASS INSTRUCTIONAL UNIT Reason Code INSTRUCTIONAL UNIT FACILITY Begin Time INSTRUCTIONAL UNIT FACILITY End Time INSTRUCTIONAL UNIT FACILITY Estimated Duration Quantity INSTRUCTIONAL UNIT FACILITY Reason Code INSTRUCTIONAL UNIT MATERIEL Duration Quantity INSTRUCTIONAL UNIT MATERIEL Expected Begin Date INSTRUCTIONAL UNIT MATERIEL Expected End Date INSTRUCTIONAL-CLASS IDENTIFIER INSTRUCTIONAL-CLASS-MEETING BEGIN TIME INSTRUCTIONAL-CLASS-MEETING END TIME INSTRUCTIONAL-CLASS-MEETING-MATERIEL BEGIN DATE INSTRUCTIONAL-CLASS-MEETING-MATERIEL BEGIN TIME INSTRUCTIONAL-CLASS-MEETING-MATERIEL END DATE INSTRUCTIONAL-CLASS-MEETING-MATERIEL END TIME INSTRUCTIONAL-UNIT ESTIMATED DURATION QUANTITY INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-MATERIEL-ITEM REASON CODE MATERIEL-ASSOCIATION IDENTIFIER MATERIEL-ITEM IDENTIFIER PERSON TYPE INSTRUCTIONAL UNIT Estimated Begin Date PERSON TYPE INSTRUCTIONAL UNIT Estimated End Date PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER	
(2.3.11 h. Inventory of course materials (e.g., expendables, ordnance, fuels).) INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL IDENTIFIER MATERIEL ITEM MANAGEMENT CATEGORY FEDERAL SUPPLY GROUP CODE (SDE) MATERIEL-ITEM-MANAGEMENT-CATEGORY FEDERAL SUPPLY GROUP CODE MATERIEL-ITEM-SUPPLY HAZARDOUS MATERIAL CODE	
(2.3.11 i. A description of all management reports to be generated for supervisors and trainees.) DOCUMENT IDENTIFIER DOCUMENT MEDIA Identifier DOCUMENT Purpose Code DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT MEDIA Identifier INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code	
(2.4 Lesson strategy. The lesson strategies shall contain the following.) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
<p>LEARNING STRATEGY Identifier</p> <p>(2.4.1 <u>Organization and format.</u> This data shall describe the organization and format of the lesson and segment strategies. It shall list the headers or section designators that are used, explain the meaning of each designator, and describe the type of information that is found under each. A key shall be used to explain the symbology. This explanation shall be supported with one or more illustrative examples. The lesson strategy shall exhibit traceability to the courseware development process and shall include:)</p> <p>DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE Identifier DOCUMENT MEDIA Identifier DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT MEDIA Identifier INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT LEARNING ACTIVITY Identifier LEARNING OBJECTIVE LEARNING ACTIVITY Reason Code LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING STRATEGY Type Code LEARNING TYPE Category Code LEARNING-OBJECTIVE IDENTIFIER MEDIA FORMAT Identifier MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code STRATEGY GUIDANCE TYPE Code</p>	
<p>(2.4.1 a. A reference number, a unit number, and lesson number referenced from the syllabus.)</p> <p>INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE</p>	
<p>(2.4.1 b. A short title description of the subject to be covered. The title shall be taken from the syllabus lesson title.)</p> <p>INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-NAME TEXT</p>	
<p>(2.4.1 c. A description of the media for each lesson.)</p> <p>INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING ACTIVITY Identifier LEARNING OBJECTIVE LEARNING ACTIVITY Reason Code LEARNING OBJECTIVE SENSORY STIMULUS Reason Code LEARNING-OBJECTIVE IDENTIFIER MEDIA FEATURE Identifier MEDIA FEATURE SENSORY STIMULUS Reason Code MEDIA Identifier MEDIA MEDIA FEATURE Reason Code SENSORY STIMULUS Identifier</p>	
<p>(2.4.1 d. A list of Learning Objectives (LOs) covered by each medium.)</p> <p>LEARNING OBJECTIVE SENSORY STIMULUS Reason Code</p>	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
MEDIA FEATURE SENSORY STIMULUS Reason Code MEDIA MEDIA FEATURE Reason Code	
(2.4.1 e. A brief overview of the content of the lesson shall be provided for lesson authors, Subject Matter Experts (SMEs), and students. The overview shall also include an explanation of why the lesson is required, how it is related to previous lessons, and how the lesson fits into the total program.) INSTRUCTIONAL-UNIT DESCRIPTION TEXT INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER MISSION Identifier MISSION TASK Reason Code TASK IDENTIFIER TASK LEARNING OBJECTIVE Reason Code	
(2.4.2 <u>Learning objectives</u> . The LOs shall describe the type and level of learning required for each LO. Each LO shall have two numbers assigned: (1) a sequence number to indicate its order of presentation and (2) an identification number to indicate its rank in the LO hierarchy.) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE PRIORITY CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING OBJECTIVE ASSOCIATION REASON CODE (SDE) LEARNING-OBJECTIVE IDENTIFIER LEARNING-OBJECTIVE-ASSOCIATION REASON CODE	
(2.4.3 <u>Unit and lesson maps</u> . The unit map shall contain a flow diagram showing the sequences and relationships among lessons in the instructional unit. The lesson map shall include a flow diagram showing the hierarchical relationships among lesson objectives.) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING OBJECTIVE ASSOCIATION REASON CODE (SDE) LEARNING-OBJECTIVE IDENTIFIER LEARNING-OBJECTIVE-ASSOCIATION REASON CODE	
(2.4.4 <u>Lesson design strategy</u> . The lesson design strategies shall describe decision making processes and strategies to be used in designing and implementing the presentation of material and testing student mastery of subject matter. Specific strategies shall include an instructional strategy for each lesson learning phase, methods of interaction, procedures which assure testing at appropriate learning types and levels, and remediation. Segments to be tested shall be identified and the method of testing defined. (Specific emphasis should be placed on the design strategy for developing and implementing the instructional media into the training program and equipment.) Training, learning, and branching strategies shall also be included, when required. All strategies used shall be appropriately labeled and sequenced under the title description. The lesson design strategy shall identify the conventional techniques, practices, principles, or procedures to be used throughout the design and development of the instructional media module or lesson. The following information shall also be provided:) EXAMINATION IDENTIFIER EXAMINATION METHODOLOGY Identifier EXAMINATION METHODOLOGY Type Code EXAMINATION STRATEGY Identifier GUIDANCE CATEGORY CODE INSTRUCTIONAL CLASS METHOD CODE (SDE) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT METHODOLOGY Description Text	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL UNIT METHODOLOGY Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-CLASS-METHOD CODE INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE LEARNING STRATEGY Type Code METHODOLOGY Identifier METHODOLOGY Purpose Code METHODOLOGY Type Code STRATEGY GUIDANCE TYPE Code	
(2.4.4 a. A statement of what type behavior the student must exhibit in order to master the LO.) AFFECTIVE ATTITUDE Level Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE KNOWLEDGE Level Code LEARNING LEVEL Identifier LEARNING OBJECTIVE LEARNING LEVEL Reason Code LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING OBJECTIVE OBSERVABLE ACTION BEHAVIOR Identifier LEARNING TYPE Category Code LEARNING TYPE Identifier LEARNING-OBJECTIVE IDENTIFIER OBSERVABLE ACTION BEHAVIOR Identifier OBSERVABLE ACTION BEHAVIOR Type Code PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER SKILL Level Code	
(2.4.4 b. The facts to be memorized, the critical attributes of a concept, the steps to follow in applying a rule or procedure, or the cause and effect relationship of a principle. Aids shall be included in the instructional content to help the student recall. The strategies data shall list the most common errors made by the student when learning.) EXAMINATION IDENTIFIER EXAMINATION INQUIRY ITEM Identifier GUIDANCE TYPE Code (Dev) INQUIRY ITEM Identifier (Can) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING OBJECTIVE LEARNING TYPE Reason Code LEARNING TYPE Category Code LEARNING TYPE GUIDANCE Reason Code LEARNING TYPE Identifier LEARNING-OBJECTIVE IDENTIFIER QUALITATIVE OUTCOME EXAMINATION INQUIRY ITEM Outcome Text QUANTITATIVE OUTCOME EXAMINATION INQUIRY ITEM Outcome Quantity TRAINING CONCEPT GUIDANCE TYPE Code	
(2.4.4 c. A description of instance production and shall include each type of scenario that is to be included in the examples, practice, and test items. A table shall be provided listing the total number of examples, practice and test items that the lesson author must produce for each type of scenario.) EXAMINATION IDENTIFIER EXAMINATION SITUATION Identifier	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INQUIRY ITEM Category Code INQUIRY ITEM Identifier (Can) INSTRUCTIONAL UNIT SITUATION Reason Code INSTRUCTIONAL-UNIT IDENTIFIER SITUATION IDENTIFIER SITUATION TYPE CODE (SDE)	
(2.4.4 d. A description of the theoretical basis upon which each instructional strategy is employed.) GUIDANCE ASSOCIATION RELATIONSHIP REASON CODE (SDE) GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE Purpose Code GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT GUIDANCE TYPE Code (Dev) GUIDANCE-ASSOCIATION RELATIONSHIP REASON CODE INSTRUCTIONAL THEORY Identifier INSTRUCTIONAL THEORY Type Code LEARNING STRATEGY GUIDANCE Reason Code STRATEGY GUIDANCE TYPE Code	
(2.4.5 <u>Test items</u> . The test items shall include the type of test and the approach for feedback and remediation based on the lesson design strategy. A list of the test items to be used in measuring the student's knowledge shall be provided and include a statement of the minimum acceptable passing criteria for the lesson or segment. A list of examples and practice exercises to be used in support of the instruction shall also be provided.) EXAMINATION Category Code (Can) EXAMINATION IDENTIFIER EXAMINATION INQUIRY ITEM Identifier GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE Purpose Code GUIDANCE TYPE Code (Dev) INQUIRY ITEM Identifier (Can) INQUIRY ITEM PERFORMANCE Description Text INQUIRY ITEM PERFORMANCE Measurement Quantity INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE LEARNING STRATEGY GUIDANCE Reason Code LEARNING STRATEGY Identifier PERFORMANCE INDICATOR MEASUREMENT Quantity PERFORMANCE INDICATOR MEASUREMENT Type Code PERFORMANCE-INDICATOR IDENTIFIER STRATEGY GUIDANCE TYPE Code	
(2.4.6 <u>Lesson format guide</u> . The lesson format guide shall contain explanations of how each section of the lesson and segment specifications will be used during lesson authoring. Special instructions or additional information shall be provided to ensure accurate communication of the content for authors and artists. It shall contain a description of the following:) GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT DESCRIPTION TEXT	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE LEARNING STRATEGY GUIDANCE Reason Code LEARNING STRATEGY Identifier LEARNING STRATEGY Type Code STRATEGY GUIDANCE TYPE Code	
(2.4.6 a. Text and graphic layout conventions.) DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE Identifier DOCUMENT IDENTIFIER DOCUMENT MEDIA Identifier GUIDANCE CATEGORY CODE GUIDANCE DOCUMENT Reason Code GUIDANCE IDENTIFIER GUIDANCE TYPE Code (Dev) MEDIA Identifier MEDIA TYPE Category Code	
(2.4.6 b. Interpretation of lesson strategies.) DOCUMENT TYPE Code (Dev) LEARNING OBJECTIVE LEARNING STRATEGY Reason Code LEARNING OBJECTIVE MEDIA Reason Code LEARNING STRATEGY Identifier LEARNING STRATEGY Type Code MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code	
(2.4.6 c. Data sources for expansion of lesson strategies.) DOCUMENT DATE Type Code DOCUMENT IDENTIFIER INFORMATION ASSET DOCUMENT Reason Code INFORMATION ASSET TYPE CODE (SDE) INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code LEARNING STRATEGY Identifier ORGANIZATION DOCUMENT Organization Role Code ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE PERSON DOCUMENT Person Role Code PERSON IDENTIFIER PERSON-NAME CATEGORY CODE PERSON-NAME TEXT	
(2.4.6 d. Learning strategy guidelines.) GUIDANCE IDENTIFIER GUIDANCE Purpose Code GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT GUIDANCE TYPE Code (Dev) LEARNING STRATEGY GUIDANCE Reason Code LEARNING STRATEGY Identifier LEARNING STRATEGY Type Code	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
(2.4.6 e. Use of symbology.) DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE Identifier INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER SYMBOLGY TYPE CHARACTER Code SYMBOLGY TYPE CHARACTER Identifier SYMBOLGY TYPE Code	
(2.4.6 f. Titling.) DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE ASSOCIATION Reason Code DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE Identifier DOCUMENT Name (SDE) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.4.6 g. Figure numbering.) DOCUMENT Category Code DOCUMENT FORMAT TYPE ASSOCIATION Reason Code DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE Identifier DOCUMENT IDENTIFIER INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.4.6 h. Referencing conventions.) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT Category Code DOCUMENT IDENTIFIER DOCUMENT NAME Type Code DOCUMENT Purpose Code GUIDANCE CATEGORY CODE GUIDANCE DOCUMENT Reason Code GUIDANCE IDENTIFIER GUIDANCE SUBJECT TEXT GUIDANCE SYNOPSIS TEXT GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.4.6 i. Page numbering.) DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE ASSOCIATION Reason Code DOCUMENT FORMAT TYPE Code DOCUMENT FORMAT TYPE Identifier DOCUMENT IDENTIFIER INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.4.7 <u>Prototype lesson.</u> The prototype lesson shall consist of courseware, to include supporting design and developmental documentation. (This prototype will demonstrate how the format guide is to be used in conjunction with a lesson strategy to produce the required lessons.)) EXAMINATION IDENTIFIER GUIDANCE CATEGORY CODE GUIDANCE IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
GUIDANCE TYPE Code (Dev) INSTRUCTIONAL UNIT GUIDANCE Reason Code INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-EXAMINATION REASON CODE INSTRUCTIONAL-UNIT-PLANNED-COST AMOUNT LEARNING STRATEGY GUIDANCE Reason Code LEARNING STRATEGY Identifier LEARNING STRATEGY Type Code	
(2.4.8 <u>Instructional media resource requirements.</u> The data shall contain a summary of required resources to include:) INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER MEDIA Identifier MEDIA TYPE Category Code	
2.4.8 a. An estimate of the visual and audio resources needed to support the course as follows:) INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER MEDIA Identifier MEDIA TYPE Category Code MEDIA TYPE Description Text	
(2.4.8 a(1) Existing and new resource footage (e.g., video, audio, film, slides, photographs, graphics, and artwork).) DOCUMENT MEDIA Identifier EVENT DOCUMENT Identifier EVENT END DATE EVENT START DATE EVENT TYPE Code INSTRUCTIONAL UNIT MEDIA Reason Code (NDE) INSTRUCTIONAL-UNIT IDENTIFIER MEDIA ALTERNATE IDENTIFIER Identifier MEDIA ALTERNATE IDENTIFIER Type Code MEDIA Identifier MEDIA TYPE Category Code	
(2.4.8 a(2) Support requirements (e.g., props, equipment, SMEs, military and civilian personnel).) INFORMATION ASSET TYPE CODE (SDE) INFORMATION-ASSET DEFINITION TEXT INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL Description Text MATERIEL IDENTIFIER PAY-PLAN-GRADE ORDINAL IDENTIFIER PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON TYPE PAY PLAN GRADE Code PERSON-TYPE IDENTIFIER PERSONNEL RESOURCE TYPE CODE (SDE) PERSONNEL-RESOURCE TYPE CODE	
(2.4.8 a(3) Talent.) INSTRUCTIONAL-UNIT IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING-OBJECTIVE IDENTIFIER PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-TYPE IDENTIFIER PERSONNEL SKILL Identifier PSYCHOMOTOR SKILL TYPE Code PSYCHOMOTOR SKILL TYPE Identifier SKILL IDENTIFIER	
(2.4.8 a(4) Field environment, (e.g., ranges, ships).) DOD-UNIQUE-COMMODITY-CLASSIFICATION CODE FACILITY TYPE Identifier (Dev) FACILITY-CATEGORY CODE FACILITY-CLASS CODE FUEL-TYPE CODE INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-FACILITY-TYPE REASON CODE MATERIEL CATEGORY CODE MATERIEL IDENTIFIER MATERIEL-ITEM TYPE CODE MATERIEL-ITEM-SUPPLY HAZARDOUS MATERIAL CODE RANGE FACILITY CHARACTERISTIC Code	
(2.4.8 a(5) Studio requirement.) FACILITY TYPE Code (SDE) FACILITY TYPE Identifier (Dev) FACILITY TYPE MATERIEL Reason Code FACILITY-TYPE CODE INSTRUCTIONAL UNIT FACILITY TYPE Facility Type Role Code INSTRUCTIONAL-UNIT IDENTIFIER MATERIEL Description Text MATERIEL IDENTIFIER	
(2.4.8 a(6) Special equipment.) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-LEARNING-OBJECTIVE REASON CODE LEARNING OBJECTIVE SENSORY STIMULUS Reason Code LEARNING-OBJECTIVE IDENTIFIER MATERIEL Description Text MATERIEL IDENTIFIER MATERIEL-DOCUMENT-MEDIA-TYPE CODE MEDIA FEATURE Identifier MEDIA FEATURE SENSORY STIMULUS Reason Code MEDIA MEDIA FEATURE Reason Code SENSORY STIMULUS Description Text SENSORY STIMULUS Identifier	
(2.4.8 a(7) Costumes and uniforms.) INSTRUCTIONAL-UNIT IDENTIFIER PERSON TYPE INSTRUCTIONAL UNIT Role Code PERSON-ATTIRE-STYLE CODE PERSON-TYPE IDENTIFIER	
(2.4.8 a(8) Lighting.) CAPABILITY TYPE CODE CAPABILITY TYPE Code (Dev) FACILITY TYPE CAPABILITY Reason Code FACILITY TYPE Identifier (Dev)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
FACILITY-CAPABILITY-ESTIMATE IDENTIFIER INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT-FACILITY-TYPE REASON CODE	
(2.4.8 a(9) Animation rationale, source, and extent of usage.) DOCUMENT IDENTIFIER DOCUMENT MEDIA Code INSTRUCTIONAL UNIT DOCUMENT Rationale Text INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER ORGANIZATION DOCUMENT Organization Role Code ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE ORGANIZATION-NAME TEXT	
(2.4.8 b. A list of the material to be presented during the course.) DOCUMENT TYPE Description Text DOCUMENT TYPE Identifier (Dev) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE MATERIEL Description Text MATERIEL IDENTIFIER	
(2.4.8 c. A list of any adjunctive materials required to support the course.) DOCUMENT Name (SDE) DOCUMENT TYPE Description Text DOCUMENT TYPE Identifier (Dev) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT MATERIEL Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE MATERIEL Description Text MATERIEL IDENTIFIER	
(2.4.8 d. A description of the types of personnel and their respective roles and responsibilities for lesson development.) INSTRUCTIONAL UNIT LEARNING STRATEGY Reason Code INSTRUCTIONAL-UNIT IDENTIFIER LEARNING STRATEGY Identifier PERSON TYPE GUIDANCE Person Type Role Code PERSON TYPE GUIDANCE Reason Code PERSON-TYPE IDENTIFIER PERSONNEL SKILL Identifier PSYCHOMOTOR SKILL CATEGORY Code PSYCHOMOTOR SKILL TYPE Identifier SKILL IDENTIFIER	
(2.5 <u>Courseware logic flow diagrams.</u> Courseware logic flow diagrams shall include all defined lesson tasks with references, information frame or sequence, decision points, branching options, remediation, and other screen activities. All flow diagram symbols used shall be clearly defined. Flow diagrams shall include: DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT Description Text (Dev)	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
DOCUMENT FORMAT TYPE Code DOCUMENT IDENTIFIER DOCUMENT MEDIA Identifier DOCUMENT TYPE Code (Dev) INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL UNIT MEDIA Identifier INSTRUCTIONAL-UNIT IDENTIFIER MEDIA Identifier MEDIA Purpose Code MEDIA TYPE Category Code PLAN TYPE CODE (SDE) PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION REASON CODE	
(2.5 a. All blocks of instruction and decision points.) ANALYSIS INFORMATION ASSET Reason Code EVALUATION IDENTIFIER EVALUATION INFORMATION ASSET Reason Code EXAMINATION EVALUATION Reason Code (Can) EXAMINATION IDENTIFIER EXAMINATION INQUIRY ITEM Identifier INFORMATION ASSET FEATURE Code INFORMATION ASSET TYPE CODE (SDE) INQUIRY ITEM EVALUATION Determination Text INQUIRY ITEM Identifier (Can) INSTRUCTIONAL UNIT ASSOCIATION Reason Code (SDE) INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL UNIT TYPE CODE (SDE) INSTRUCTIONAL-UNIT IDENTIFIER INSTRUCTIONAL-UNIT TYPE CODE INSTRUCTIONAL-UNIT-ASSOCIATION REASON CODE	
(2.5 b. All program paths or branches.) INFORMATION ASSET ASSOCIATION Reason Code INFORMATION ASSET FEATURE Code INFORMATION ASSET TYPE CODE (SDE) INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.5 c. Video, graphics, and text frames with reference and sequence numbers.) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT IDENTIFIER DOCUMENT MEDIA Code INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE ORGANIZATION-NAME TEXT	
(2.5 d. Audio, still frame, and other audio configurations with reference and sequence numbers.) DOCUMENT ASSOCIATION Reason Code (Dev) DOCUMENT IDENTIFIER DOCUMENT MEDIA Code INSTRUCTIONAL UNIT DOCUMENT Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	

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TABLE 1. Standard digital data requirements - Continued

DID PARAGRAPH AND RELATED STANDARD DATA ELEMENT(S)	REQUIRED
ORGANIZATION DOCUMENT Reason Code ORGANIZATION IDENTIFIER ORGANIZATION-DOCUMENT BEGIN DATE ORGANIZATION-DOCUMENT END DATE PLAN TYPE CODE (SDE) PLAN-ASSOCIATION IDENTIFIER PLAN-ASSOCIATION REASON CODE	
(2.5 e. Performance decision notes.) INFORMATION ASSET ASSOCIATION Reason Code INFORMATION ASSET FEATURE Code INFORMATION ASSET TYPE CODE (SDE) INFORMATION ASSET USAGE Reason Code INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.5 f. Processing and design decision information that supports the remediation, non-scored test items, motion sequences, computer processing, performance update, scored test items, scoring routine, and database search commands to be used.) INFORMATION ASSET ASSOCIATION Reason Code INFORMATION ASSET FEATURE Code INFORMATION ASSET FEATURE Identifier INFORMATION ASSET TYPE CODE (SDE) INFORMATION-ASSET IDENTIFIER INSTRUCTIONAL UNIT INFORMATION ASSET Reason Code INSTRUCTIONAL-UNIT IDENTIFIER	
(2.5 g. A legend identifying key symbols that connect elements of the flow diagram.) DOCUMENT FORMAT ELEMENT Code DOCUMENT FORMAT TYPE Code DOCUMENT IDENTIFIER SYMBOLOGY TYPE CHARACTER Code SYMBOLOGY TYPE CHARACTER Identifier SYMBOLOGY TYPE Code	

4. End of DI-ALSS-81520A.