DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. TITLE	2. IDENTIFICATION NUMBER
Aperture Cards	DI-EDRS-80907A

3. DESCRIPTION/PURPOSE

3.1　Preparation instructions for data to be keypunched onto aperture cards containing microfilm images is provided herein.

3.2　Sets of aperture cards for engineering drawings and associated lists are used for interchange of engineering data among Department of Defense activities.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
911011	A/MICOM		

7. APPLICATION/INTERRELATIONSHIP

7.1　This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

7.2　This DID supersedes DI-EDRS-80907.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		A6683

10. PREPARATION INSTRUCTIONS

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

10.2　Content and format.　The data content and format of the Aperture Cards shall be in accordance with 3.1 and 3.2 of MIL-M-38761 and the following instructions:

10.2.1　Microfilming Instructions

10.2.1.1　Mounting.　35mm roll microfilm shall be mounted in accordance with 1.2.1 of MIL-M-9868, Type I (Silver Halide), Class I (camera microfilm (negative type) - clear line image).

10.2.1.2　Undimensioned drawings.　When undimensioned drawings are specified, they shall be microfilmed in accordance with 3.9.1 of MIL-M-9868.

11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A:　Approved for public release; distribution is unlimited.

DD Form 1664, APR 89　　　　*Previous editions are obsolete.*

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ock 10, Preparation Instructions (Continued)

J.2.1.3 Book-form drawings or documents. All book-form drawings or
documents shall be microfilmed in accordance with 3.11.1, 3.11.1.2 or
3.11.1.3 of MIL-M-9868. All documents shall appear right reading when
mounted onto aperture cards.

10.2.1.4 Microfilm sequence. Engineering drawings or documents containing
two or more sheets or pages shall be microfilmed in accordance with 3.16 of
MIL-M-9868. All book-form drawings or documents shall be remicrofilmed in
their entirety whenever any page or sheet of the drawing or document is
revised.

10.2.1.5 Security classification. Security classification shall be in
accordance with 3.17 of MIL-M-9868.

10.2.1.6 Control activity. The control activity shall be the responsible
commodity command with the applicable Code Letter shown on the microfilm
roll identification target.

10.2.1.7 Roll identification. The microfilm identification shall be
assigned in accordance with the manufacturer's microfilming practices.

10.2.2 Aperture card format. The format of the aperture card shall be the
"Dual Purpose Engineering Document Card (Card Code H/T), DD Form 1562."
The upper legends (Card Code H) shall be utilized for all book-type
documents, such as specifications, standards, associated lists, and
engineering orders. The lower legends (Card Code T) shall be utilized only
for engineering drawings. All information shall be entered into the card
in accordance with MIL-STD-804 and as specified below.

10.2.2.1 Upper Legend (Card Code H).

CARD COLUMNS	DATA FIELDS	INTERPRET IN PRINT POSITION	REFERENCE MIL-STD-804
1-2	Type of Document	1-2	5.6.1
3-17	Document Number	4-18	5.6.2
18-22	Code Identification Number	54-58	5.6.3
23-24	Revision Letter(s)* *Latest revision of book-type document shall be entered on all cards pertaining to the document.	19-20	5.6.4
25-26	Kind of Accompanying Document* *All engineering orders shall be coded as a notice (NT)	22-23	5.6.5
27-33	Accompanying Document Number	25-31	5.6.6

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Block 10, Preparation Instructions (Continued)

CARD COLUMNS	DATA FIELDS	INTERPRET IN PRINT POSITION	REFERENCE MIL-STD-804
34	Accompanying Document Revision Letter	32	5.6.7
35	Distribution Statement Letter	43	5.6.8
36-38	Open	44-46	5.6.9
39-42	Card Number	34-37	5.6.10
43-46	Number of Cards* *Number of cards containing complete document shall be entered on all cards of the group.	38-41	5.6.11
47	Rights	50	5.6.12
48-49	EDRS Control Activity Code (shall be furnished by the procuring activity)	51-52	5.6.13
50	Drawing Size	42	5.6.14
51	Card Code* *Letter "H" shall be entered in this column.		5.6.15
52	Security Classification	60	5.6.16
53	Image Plane-Back		5.6.18
54-76	Aperture Location		5.6.20
77	Camera Microfilm Code		5.6.21
78-80	Sheet/Page Number	47-49	5.6.27

10.2.2.2   Lower Legend (Card Code T).

CARD COLUMNS	KEY PUNCH	INTERPRET IN PRINT POSITION	REFERENCE MIL-STD-804
1-2	Type of Document	1-2	5.6.1
3-17	Document Number	4-18	5.6.2
18-22	Code Identification Number	54-58	5.6.3
23-25	Sheet Number* See Note 1	22-24	5.6.27
26-27	Revision Letter(s)	19-20	5.6.4
28-30	Number of Sheets* *Number of sheets shall be entered on cards for all sheets of that document	25-27	5.6.28

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Block 10, Preparation Instructions (Continued)

CARD COLUMNS	DATA FIELDS	INTERPRET IN PRINT POSITION	REFERENCE MIL-STD-804
31-34	Open	28-31	5.6.9
35	Distribution Statement Letter	43	5.6.8
36-46	Open	32-42	5.6.9
47	Rights	50	5.6.12
48-49	EDRS Control Activity Code (shall be furnished by the procuring activity)	51-52	5.6.13
50	Drawing Size	46	5.6.14
51	Card Code* *Letter "T" shall be entered in this column.		5.6.15
52	Security Classification	60	5.6.16
53	Image Plane-Back		5.6.18
54-76	Aperture Location		5.6.20
77	Camera Microfilm Code		5.6.21
78-80	Open	47-49	5.6.9

*Note 1.
Complex sheet numbers shall be entered upon the card in the following manner:

Card Columns 23-25. Some engineering drawing sheets are numbered utilizing a complex numbering system (for example: 1.1, 1A, 1-2, 1.010, 2A, etc.). When sheet number is so identified, an asterik (*) shall be entered in column 25 and interpreted in print position 24.

10.2.2.3 All aperture cards shall be Type 1, Class 1 in accordance with 3.3.1 of MIL-C-9877.

10.2.2.4 All aperture cards containing Type 1, Class 1 microfilm in accordance with MIL-M-9868 shall be as specified in 4.3 of MIL-STD-804.

10.2.2.5 All mounted microfilm aperture cards shall be in card format in alpha-numeric sequence by manufacturer's 5-digit code.

10.2.3 All roll identification resolution and reduction ratio test targets shall be submitted with the deck of aperture cards.