

OTHER 38784-AMCOM_ SUPPLEMENT
38784_ AMCOM DTD AND FOSI SUPPLEMENT

HOW to use a modified version of the
Army's MIL-STD 38784 DTD and FOSIs

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U.S. ARMY AVIATION AND MISSILE COMMAND

08 MARCH 2010

LIST OF EFFECTIVE PAGES

Insert the latest changed pages in accordance with the instructions on the transmittal sheet.

NOTE: On a changed page, the portion of the text affected by the latest change is indicated by a vertical line in the outer margin of the page. Changes to illustrations are indicated by a letter suffix adjacent to the identification number. Added or completely revised chapters, sections, paragraphs, tables, etc., are indicated by a vertical line by the title.

Dates of issue for original and change pages are:

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TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 22, CONSISTING OF THE FOLLOWING:

Page No.	*Change No.	Page No.	*Change No.
Cover	0	3-2	0
A	0	3-3	0
B Blank	0	3-4	0
i	0	3-5	0
1-1	0	3-6	0
1-2 Blank	0	4-1	0
2-1	0	4-2	0
2-2	0	4-3	0
3-1	0		

*Zero in this column indicates an original page.

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**38784_AMCOM DTD and FOSI Supplement
HOW to use a modified version of the
Army's MIL-STD 38784 DTD and FOSIs**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this documentation should be addressed to: Commander, U.S. Army Aviation and Missile Command (AMCOM), ATTN: AMSAM-MMA-NP (LEACH), Redstone Arsenal, AL 35898-5000 or e-mail to:Allissa.Leach@us.army.mil.

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CHAPTER 1 OVERVIEW

SECTION I. SCOPE

This supplement will address the changes to the DTD and FOSI supplied by AMCOM.

SECTION II. APPLICABLE DOCUMENTS

All legacy Technical Manuals may be converted from paper, Word, or other electronic form using the AMCOM MIL-STD 38784 DTD and FOSIs.

SECTION III. IDENTIFYING ERRORS OR ISSUES

Submittal of problems or recommended changes to the DTD and FOSI should use the layout as described below. The more detail and narrative you provide the better we can understand your issues.

Element Name	<inspec-form>
Sample XML	See attached XML file named: problem-inspec-form.xml and sample PDF
Narrative and Description of Problem or Recommended Change	Your name, Your Organization Name and Address, Phone Number and/or DSN Number
POC E-mail Address	Your E-mail Address

SECTION IV. GRAPHICS

NOTE

As a rule of thumb, make sure the Graphic size for graphics are full page, ½ page, ¼ page, or 1/8 page of at least 600 DPI. Determine the size of the graphic by measuring from the top of the graphic to the bottom. The maximum size for graphics is for portrait page – 7”W by 8.5”H and landscape page – 10”W by 6.25”H. More than one illustration may be placed in the designated graphic area. The illustrator should design the graphic to fit the given dimension. Shrinking and enlarging may lose clarity of the illustration.

Reference the document titled “Printer_Setting_for_CGM_Graphics.PDF. This document illustrates how to verify the settings for your printer to properly output an EPIC generated PDF that has CGM graphics. Contact your System Administrator to modify your printer settings.

SECTION V. TOUCH UP AND PROCESS INSTRUCTIONS

Touchup (Process instruction or PI) should be used cautiously. Before using PIs in Arbortext, consult Publication Services DTD/FOSI team. Refer to Chapter 1, Section III to submit a problem report to the Publication Services DTD/FOSI administrator.

CHAPTER 2

FOSI'S

The following is a list of FOSIs to use in concert with the AMCOM 38784 DTD.

Table 2-1.

AMCOM-Paranumber.fos	Paragraph number is structured as 1. a. (1) (a) <u>1</u> <u>a</u>
AMCOM-Pointnumber.fos	Paragraph numbering is point numbered, i.e., 1.1.1.2.1
DMRL.fos	Depot Maintenance Reference List (legacy TMs)
HR.fos	Hand Receipt TM
Joint-Paranumber.fos	Multi-Service TMs
large — 11 x 17.fos	Double King DMWRs
Missile DMWR.fos	Missile DMWRs
MWO.fos	Modification Work Order
PM1x85Series.fos	Preventative Maintenance TM
	Landscape 11 in x 8.5in
	<p>Tablestyle = PMS will automatically put the FOD statement above the page number at the bottom of the page. No FOD statement at bottom of each page of the table output.</p> <p>Tablestyle=PMD and pgwide=0 will span the table across two columns (one column table). No title is outputted. Page will begin on same page. FOD statement at bottom of each page of the table output.</p> <p>Tablestyle=PM and pgwide = 0, will span the table across two columns (one column table) output. FOD statement at bottom of each page of the table output.</p>
PM95by7Series.FOS	Preventative Maintenance TM
	Landscape 9.5in x 7 in
	TABLE attributes: PGWIDE = blank or 1, defaults to one column. PGWIDE=0, denotes two column.
	NOTE
	Don' t forget to size you table width to fit the column width.
	<p>Tablestyle = PMS will automatically put the FOD statement above the page number at the bottom of the page. FOD statement at bottom of each page of the table output.</p> <p>Tablestyle=PM and pgwide = 0, will span the table across two columns (one column table). No FOD statement at bottom of each page of the table output.</p> <p>Tablestyle=PMD and pgwide=0 will span the table across two columns (one column table). No title is outputted. The table will begin on the next page. FOD statement at bottom of each page of the table output.</p>

Table 2-1. — Continued

PMSeries.fos	Preventative Maintenance Checklist
	Landscape 9.5in x 7 in TABLE attributes: PGWIDE = blank or 1, defaults to one column. PGWIDE=0, denotes two column.
	NOTE Don' t forget to size you table width to fit the column width.
	To output the FOD message do one of the following: If <chapter> is the PM Checklist then set the attribute "contype" =proc If <section> is the PM Checklist then set the attribute "contype" =proc
RPSTL.fos	Repair Parts and Special Tools TMs
SB.fos	Supply Bulletin
TB.fos	Technical Bulletin
TM.fos	Department of the Army Technical Manual

CHAPTER 3 ELEMENTS AND ATTRIBUTES

SECTION I. ATTRIBUTES ON ELEMENTS ARE ESSENTIAL.

Here is a list of elements and how to modify attributes for your Technical Document.

1. Column 1: Element Name
2. Column 2: Attribute Name. An asterisk (*) denotes the attribute is required.
3. Column 3: Explanation of the content of the attribute and how it is used by the FOSI.

The first column denotes the element name. The Second column denotes the attribute name. The third column denotes whether the attribute is required. The fourth column denotes the explanation how the attribute is used by the FOSI.

Table 3-1. Element to Attribute Matrix

Element	Attribute Name	Content
ALL — Section, Para0, subpara1, subpara2, subpara3, subpara4, subpara5, subpara6, subpara7, step1, step2, step3, step4, step5title in figure, <title> in <para0> in <front>, <para> in subparas	spacing	= default, prespace = 10pt min, 12 pt preferred, 14 pt maximum = 2pt, prespace = 2pt min, 2 pt preferred, 2 pt maximum = 4pt, prespace = 4pt min, 4 pt preferred, 4 pt maximum = 6pt, prespace = 6pt min, 6 pt preferred, 6pt maximum = 8pt, prespace = 8pt min, 8 pt preferred, 8 pt maximum = 10pt, prespace = 10pt min, 10 pt preferred, 10 pt maximum
ALL — Chapter Section Para0 Subpara Step Figure Table Foldout FO Appedix Subpara step	xid	It is preferred to create xid for all chapters, sections, para0s, figures, tables, foldouts, and appendices at a minimum. Other items may have xid created as needed. What elements get xids is completely at the user's discretion. Chapter 3 might be id=chp3 Section I might be id=sct3i (for chapter 3, section i) Para0 3-1 might be id=par3-1 Subpara1 might be id=sub3-1a (for subpara a in para0 3-1) Step1 would be id=stpxxx-1 where xxx is the para0, subpara1, etc. as shown in the para0 or subpara1 sample above Figure 3-1 would be id=fig3-1 Table 3-2 would be id=tbl3-2 Foldout FO-1 would be id=fo-1 Appendix A would be appa, Appendix B would be appb, etc.
appendix	label	= appendix will not put the appendix Title at the top of the page when the appendix contains only a table. The table title is used as a page header.

Table 3-1. Element to Attribute Matrix — Continued

Element	Attribute Name	Content
change	mark	Defaults to on with "1". Use <change mark="0"> on roll-over data to show the change number at the bottom but no change bars.
	level	Change level number, ie. 2 for change 2
changest and changeend	mark	=1 will show the change bar on the text. Must set =1 on both changest and changeend
		=0 will only display the change number without change bars on the page.
	level	Change level number, ie. 2 for change 2 Helpful for use in or around <table> and <figure> tags.
chapter	label	=nonum, used when TBs, MWOs, and SBs do not have chapters
	contype	=proc if the chapter is the PM Checklist and you are using the PMSeries.fos
chginsht	chgtopbot	= 0 default, Puts the value of the attribute chgstat in BOLD at the top of the page
		= 1, Puts the value of the attribute chgstat in BOLD at the top and bottom of the page.
	chgstat	= none, default, blank
		= revision, Outputs "REVISION"
		= change, Outputs "CHANGE"
		= prelim, Outputs "PRELIM"
		= draft, Outputs "DRAFT"
		= formal, Outputs "FORMAL"
		= routine, Outputs "ROUTINE"
		= urgent, Outputs "URGENT"
= emergency, Outputs "EMERGENCY"		
contents	levels	No longer used
	address	HQ = HEADQUARTERS, DEPARTMENT OF THE ARMY, WASHINGTON, D.C. otherwise for Command Pubs leave blank. Other legacy data addresses are available as needed.
defhd		Enter the Alphabet character of the letter of the following definitions. This is used in the <deflist> in a glossary or list.

Table 3-1. Element to Attribute Matrix — Continued

Element	Attribute Name	Content
distrib	type	<p style="text-align: center;">NOTE</p> <p>The distribution statement or box will no longer be auto generated within the content tag. The distrib tag is now required above the contents tag.</p>
		<p>The distribution tag is on the cover. The content is defined there when you choose the type - note that if it's not A, you will need to type the appropriate statement.</p>
		<p>When distribution is to appear again on the i page (TOC), you will need to put the distrib tag right before the content tag and identify its "type". This will recreate the distribution statement and associated statements on the i page (TOC) as it appears on the cover.</p>
		<p>=A: will pre-populate the statement.</p>
		<p>=B:, C:, D:, F:, or X: - Type in the appropriate statement as directed in AR 25-40 and DoD Directive NO. 5230-24 dated 18 Mar 1987.</p>
doc	columns	=two (default) two columns; =one denotes single column
	docstat	Default=prelim
	docid	The docid value for pubno is automatically generated in the tmidno tags. Put the pub number as appropriate in the element doc attribute docid i.e., "TM 9-1425-646-12"
	center-pgnum	=0, default
=1, page number centers on page (legacy documents only)		
doctype	pubtype	After selecting, the text will be automatically generated.
		=avscm-dmwr and =dmwr, outputs "DEPOT MAINTENANCE WORK REQUIREMENT "
		=nmwr-dmwr, outputs "DEPOT MAINTENANCE WORK REQUIREMENT CONTAINING NATIONAL MAINTENANCE REPAIR STANDARDS "
		=tm, bd, hr outputs "TECHNICAL MANUAL"
		=other, outputs your typed text
		=mwo, outputs "MODIFICATION WORK ORDER"
		=tb, outputs "TECHNICAL BULLETIN"
		=sb, outputs "SUPPLY BULLETIN"
		= dmrl Outputs "Demili

Table 3-1. Element to Attribute Matrix — Continued

Element	Attribute Name	Content
emphasis	type	= UNDL. The emphasis tag for underline should be “undl” and will need to be changed if your book is old and has underline emphasis settings to “underline”. Text and spaces will be underlined.
		= DOTFILL will put leader dots after the text to the next column (used in tables at this time).
		= SUPSCRPT will put the text at the top of the text.
		= SUBSCRIPT will put the text at the bottom of the text.
		= ITALIC will italicize the text.
		= BOLDITALIC will bold and italicize the text.
		= BOLD will bold the text.
		= BOLDUNDL will bold and underline the text and spaces.
		= UNDLITALIC will underline and italicize the text and spaces.
		= QUOTE will put double quotes around the text.
		= OVERLINE will put a line above the text - matching legacy data in TM FOSI only.
extref	tmref	Cross reference of external referenced document, tmref=”ar725-50” will display AR 725-50 as it is listed in the Appendix <lrpentry>
figtable	tabstyle	Defaults to 8pt font
		= 7pt for all text to be 7pt font
		= 10pt for all text to be 10pt font (default)
figure	orient	= land1, orientation of the entire page is landscape
		= port, orientation of the entire page is portrait
	pgwide	This is how you tell the table to span the whole page or to only one column of a 2-column manual.
		= 1 is the default which tells the table to span the whole page.
		= 0 tells the table that it only needs to use half.
foldout	pgstyle	= 17, for 11in x 17in (8.5” apron allows 8” image)
		= 25, for 11in x 25in (8.5” apron allows 17” image)
		= 35, for 11 x 35in (8.5” apron allows 27” image)
		= 45, for 11x45in (8.5” apron allows 37” image)
graphic	pgwide	= 0 will span the page width
	graphsty	= land1, rotates the graphic as landscape, the title, page number and headers are still portrait

Table 3-1. Element to Attribute Matrix — Continued

Element	Attribute Name	Content
index		Using <auto> in <index> automatically generates the Alphabetical index of <para0> and <subpara1> titles. Index may be customized using <indexhd> and <indexentry>.
lrpentry	tmid	Id of the publication in the following <timidno> field. See <extref>
para0	tocitem	=1 when you want to display the para0 title in the TOC
	contype	=proc to center the title in all caps with the number or label. In the MWO, the output would display "PART" or "TASK" before the para0 title.
pgbrk See Chapter 4, Section II and Chapter 4, Section III for additional information.	pgnumber	Current page number
	chglevel	Current page change level
	pageblank	Page number of following blank page
	chgmark	Set on or off to display the change bar
	prevpqblank	Page number of the previous (odd) page to be blank
	blankchglvl	Blank page change level
	pagetype	Next page set to use. Allows for the automatic page numbering to resume when all other attributes are left empty.
pritle	fntsize	Determine font size to the <pritle> when data exceeds 24 lines.
		= 12 is the default
		= 10 is 10pt
pubdate		<pubdate> 30 April 1987</pubdate> will use upper and lower case (it will appear here in upper case but upper and lower elsewhere-when needed)
rev-video		Type the information for the designator. The text output will be white on a black background
section	contype	= proc if the section is the PM Checklist and you are using the PMSeries.fos
		MWOs do not have sections or chapters. Set labe=nonum on the second chapter para0.
step1, step2, step3, step4, step5	qacheck	= IP, Inspection
		= QA, Quality Assurance Check
supbara1 (only in Missile-DMWR and Paranumber FOSIs)	idxentry	= 1 Default; saves the title to display in the index
		= 0; does not save the title text to display in the index; Set = 0 when subpara1 has no title.
supersede		The * will be automatically put on your Pub Number on the cover page and "i" page when the <supersede> tag is inserted into the document.

Table 3-1. Element to Attribute Matrix — Continued

Element	Attribute Name	Content
table	tabstyle	= OIP which will create the heading required for Overhaul Inspection Procedures table.
		= PARTNO-LIST is used in the Appendices. This allows the Appendix title to appear, the part number listing table to appear without a title, but for the remaining pages to have the title “-continued” at the top.
		= RPSTL makes all the table text 8 font (to squeeze it on the page).
		= RPSTL7 makes all the table text 7pt. PMD and PMS not used here.
	frame	identifies the outside frame appearance of your table
	colsep and rowsep	= 1 puts a separating line between columns or rows, leaving the attribute empty
		= 0 removes column or row borders.
	orient	= land1 , orientation of the entire page is landscape
		= port, orientation of the entire page is portrait
	cellcont	tells the table to either use continued or cont.
	pgwide	This is how you tell the table to span the whole page or to only use half.
		= 1 is the default which tells the table to span the whole page.
		= 0 tells the table that it only needs to use half.
	label	= nonum, table is numbered
= nonum-cont, “-Continued” is omitted when the table continues to the next page		
=notitle, Table number and title are suppressed.		
	=HR, adjusts spacing for Hand Receipt table	
title		section and para0 titles appear as typed on screen. When the file is output, they are UPPER case for proper print format. This allows for the section and para0 titles to appear in the TOC (as needed) in correct format.
	label	=HR, (in <chapter><title label=”HR>), test for Hand Receipt Chapter Title.
xref	xref	Cross reference of item, ie. xref=Fig4-4 will display Figure 4-4.

CHAPTER 4
TAGGING INSTRUCTIONS

SECTION I. SAMPLE COVER

The following is a sample Cover with tagging notes for a Technical Manual.

18pt bold -do not type *

* DMWR 1-1680-362

<doctype> (autogenerated)

14pt bold { DEPOT MAINTENANCE WORK REQUIREMENT
FOR

20 pt bold → QUADRANT, ENGINE CONDITION

MCH 15-6 (NSN 3040-15-065-5531) (EIC:ABC)

12pt bold → (145ES010-6) (NSN 1680-01-227-1748) (EIC:ABC)
<partno><nsn><eic>

NOTE: EIC is required even if N/A

<repro> 8pt bold

This is a reprint of the DMWR 55-1680-362 with changes 1 through 4 incorporated.

<distrib> 8pt bold

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* This publication supersedes DMWR 55-1680-362.

<avail> 10pt

<supersed> 10pt bold - do not type the *

US ARMY AVIATION AND
MISSILE COMMAND
30 SEPTEMBER 1991

<authnot> and <pubdate> 16pt bold

Figure 4-1. Sample DMWR Cover

SECTION II. INDEXES

4-1. AUTOMATED INDEX. Select the <auto> to automatically generated the index of paragraphs, figures and tables.

4-2. MANUALLY TAG AN INDEX. To tag the index, use <indexhd> for alphabetic headers and use <indexentry> for index data inside <topic> and <pageno> tags. Within <indexentry>, the <sub-entry1> through <sub-entry4> may be used for indentured entries.

SECTION III. MANUAL PAGEBREAKS

4-3. PAGEBREAK TAG <PGBRK>. Except for rare occasions, the <pgbrk> tag should ONLY be used for point pages.

a. Attributes.

(1) Pgnumber The page number value for the next page with text on it.

(2) Chglevel. (REQUIRED if pgnumber is used) The value for the change level of the pgnumber page and is applied in the LOEP.

(3) Pageblank. The pageblank attribute is used for a trailing (even-numbered) blank page. This is only used when the pgnumber attribute has a value, i.e. <pgbrk pgnumber="2-2.1" chglevel="1" pageblank="2-2.2">. This will create a point page 2-2.1 (with text) followed by a blank page for 2-2.2, with the appropriate page number being applied to page 2-2.1 as follows: 2-2.1/(2-2.2 Blank).

(4) Prevpgblank. The prevpgblank attribute is used to create an odd blank page prior to the pgnumber page. This is also only used when the pgnumber attribute has a value, i.e. <pgbrk pgnumber="2-2.2" chglevel="1" prevpgblank="2-2.1">. This will create a point page 2-2.2 (with text) with a blank front (odd) page for 2-2.1, with the appropriate page number being applied the text page 2-2.2 as follows: (2-2.1 Blank)/2-2.2.

(5) Blankchglvl. (REQUIRED if pageblank or prevpgblank is used) The blankchglvl attribute applies that change level to the blank page (either pageblank or prevpgblank) in the LOEP.

(6) Pagetype. When the point pages are completed and the page numbering should be returned to normal, the other attributes should be left empty and one of the following attributes shall be picked:

- body: within the body of the book (1-1, 1-2, etc.)
- body-landscape: within the body on a landscape page with the header and footer arranged for portrait display.
- emergency: for pubs with emergency pages, this will return to emergency page layout.
- foldout17, foldout25, foldout35, foldout45; within the <foldsect>, your numbering will return to the FP-numbering from before (select the appropriate page size desired).
- rear: returns the page numbering to the rear (appendix, glossary, or index) style (A-1, Glossary-1, or Index-1).