APPENDIX 7A

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO-NENTS ON 4-WAY ENTRY PALLETS

CARTRIDGE, 7.62MM, PACKED VARIOUS QUANTI-TIES PER M2 SERIES METAL CONTAINER, 2 CON-TAINERS PER WIREBOUND BOX, UNITIZED 48 BOX-ES PER 40" X 48" PALLET; APPROX BOX SIZE 14-1/2" L X 12-3/4" W X 8-3/8" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

DISTRIBUTION STATEMENT A

APPROVED FOR PUBLIC RELEASE DISTRIBUTION IS UNLIMITED.

U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W. SEPH.W.1376 1376495538	<u>CAUTION</u> : VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.								
495538 Date: 2020.11.16 11:56:19 -06'00' FCDD-ACE-LTP APPROVED. U.S. ARMY JOINT MUNITIONS COMMAND	DO NOT SCALE				NOVEMBER 1979				
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M 1360370808 Date: 2020.11.17 16:13:13	ENGINEER	REV.	MADELINE BANKS	RE	REVISION NO. 6 OCTOBER 2020				
MSJM-MLT	ENGINEERING DIVISON		FIEFFER.LAUR Digitally signed by FIEFFER.LAURA A.1230375727 A.A.1230375727 Diate: 2020.10.21 14:38:43 -05007						
APPROVED BY ORDER OF COMMANDING GENERAL,				SEE THE REVISION LISTING ON PAGE 2					
U.S. ARMY MATERIEL COMMAND	TEST ENGINEER		FELICIANO.AD	CLASS	DIVISION	DRA	WING	FILE	
SMITH.THERESA.	TEST REPORT	A	IN.1259200373 Date: 2020.10.26 10:25:23			41	16/		
ANN.1009147639	EXPLOSIVE SAFETY DIRECTORATE		THOMAS.CARL.ANT HONY.1104621372 Date: 2020.11.02 09:10:13-06'00'	19	48	7A		20PA1002	

PALLET UNIT DATA							
ITEMS INCLUDED		*HAZARD					
NSN	DODIC	HAZARD CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)			
$\begin{array}{c} 1305-\\ 00-882-5677\\ 00-892-4152\\ 00-914-4676\\ 00-882-5678\\ 00-147-2989\\ 00-542-1219\\ 00-555-4275\\ 00-752-8837\\ 00-914-4675\\ 00-064-2896\\ 00-828-8907\\ 00-926-4017\\ 00-935-9289\\ 00-935-9290\\ 01-120-0970\\ 01-419-8202\\ 01-459-9535\\ 01-598-5898\\ 01-598-5898\\ 01-598-5898\\ 01-598-58201\\ 01-606-7081\\ 01-681-3523 \end{array}$	A112 A122 A124 A130 A130 A130 A130 A130 A130 A130 A136 A140 A140 A140 A140 A167 A167 A167 A167 A171 AA11 AA37 AB80 AB82 AB84 AC35	1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	3, 257 3, 617 3, 593 3, 569 3, 569 3, 569 3, 569 3, 569 3, 569 3, 569 3, 622 3, 622 3, 622 3, 622 3, 622 3, 622 3, 622 3, 569 3, 622 3, 6			

*HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PUR-POSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISIONS

REVISION NO. 1, DATED AUGUST 1984, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

REVISION NO. 2, DATED MARCH 1985, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

REVISION NO. 3, DATED AUGUST 1994, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
CHANGING WEIGHT OF ITEMS BY NATIONAL STOCK NUMBER IN THE "PALLET UNIT DATA" CHART.

REVISION NO. 4, DATED SEPTEMBER 2002, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
UPDATING THE DRAWING FORMAT.

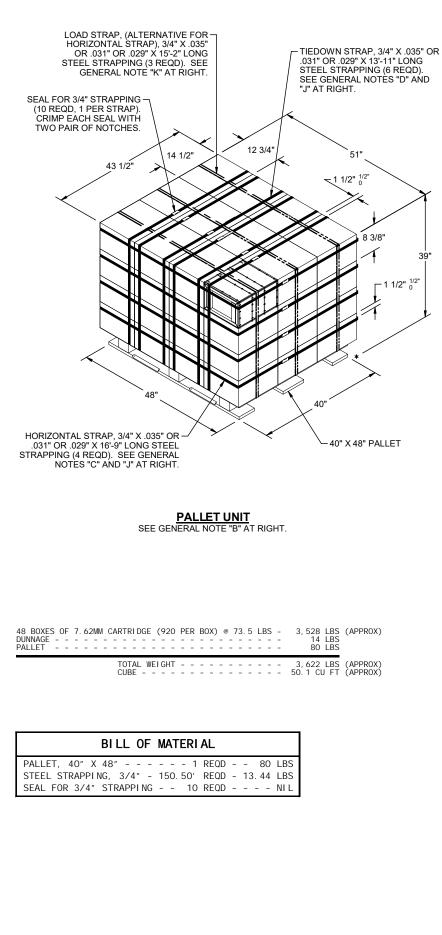
REVISION NO. 5, DATED APRIL 2013, CONSISTS OF CHANGES PER ECP R11K2042-1 (NOS. 1 AND 2) AND ECP R13K2012 (NO. 1) INCLUDING:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

2. UPDATING CALLOUTS TO REFLECT THE .029" STRAP REFERENCE.

REVISION NO. 6, DATED OCTOBER 2020, CONSISTS OF CHANGES PER ECP R20S3001 (NO. 1) INCLUDING:

ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
DELETING ITEM BY NATIONAL STOCK NUMBER FROM THE "PALLET UNIT DATA" CHART.



GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRO-DUCE AN APPROVED UNIT LOAD, ALL PERTINENT PRO-CEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PRO-CEDURES DELINEATED IN THIS APPENDIX. ANY EXCEP-TIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.
- B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMEN-SIONS OF THE BOXES AND THE WEIGHT OF THE SPECIF-IC ITEM BEING UNITIZED.
- C. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE A LAYER OF BOXES ON THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE TOP OF EACH LAYER. HORIZONTAL STRAPS MUST BE TEN-SIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE SIDE CLEATS OF THE END PANELS OF THE BOX. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL OR LOAD STRAPS, AS APPLICABLE, HAVE BEEN TEN-SIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

TRUCKLOADI NG STORAGE	19-48-4115-5PA1002 19-48-4117-11PA1003 19-48-4118-1-2-3-4-14- 22PA1002
END OPENING ISO	
CONTAINER	19-48-4153-15PA1002
MILVAN	19-48-4166-15PA1003
SIDE OPENING ISO	
CONTAINER	19-48-4267-15PA1009

- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 7.62MM CALIBER CAR-TRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSI-FICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- H. IF THE TOTAL WEIGHT OF A 48-BOX UNIT LOAD EXCEEDS 4,000 POUNDS, A SUFFICIENT NUMBER OF BOXES MUST BE REPLACED WITH "FILLER ASSEMBLIES", AS DEPICTED ON PAGE 4, SO THAT THE TOTAL UNIT WEIGHT IS EQUAL TO OR SLIGHTLY LESS THAN THE 4,000 POUND MAXIMUM ALLOWABLE UNIT WEIGHT.
- J. 1-1/4" STRAPS MAY BE SUBSTITUTED FOR THE 3/4" STRAPPING SPECIFIED IN THE "PALLET UNIT" AT LEFT. FOUR 1-1/4" TIEDOWN STRAPS WILL REPLACE THE SIX 3/4" TIEDOWN STRAPS SPECIFIED. REFER TO GENERAL NOTE "CC" IN THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002 FOR ADDITIONAL GUID-ANCE.
- K. LOAD STRAPS MAY BE USED IN LIEU OF HORIZONTAL STRAPS. LOAD STRAPS WILL BE LOCATED AS SHOWN IN THE DETAIL AT LEFT. LOAD STRAPS MAY BE PRE-POSITIONED ON THE PALLET DECK OR THREADED THROUGH STRAP SLOTS. <u>MOTICE</u>: WHEN LOAD STRAPS ARE BEING USED IN LIEU OF HORIZONTAL STRAPS, THE THREE OUTBOARD BOXES ON THE BOTTOM LAYER OF THE 40° SIDES OF THE PALLET WILL BE POSITIONED WITH THE TOPS DOWNWARD AND THE THREE OUT-BOARD BOXES ON THE TOP LAYER OF THE 40° SIDES OF THE PALLET WILL BE POSITIONED WITH THE TOPS UP-WARD. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- L. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE AL-TERNATIVE FILLER ASSEMBLY MAY BE SUBSTITUTED FOR THE FILLER ASSEMBLY TO COMPLETE A LAYER ON A PALLET.
- M. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- N. FOR DETAILS OF THE WIREBOUND BOX SEE ARDEC DRAWING 7553347.

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