

APPENDIX 65P

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

GRENADE, HAND, FRAGMENTATION, PACKED 30 PER
WOODEN BOX, UNITIZED 24 BOXES PER 35" X
45 $\frac{1}{2}$ " PALLET; APPROX BOX SIZE 18 $\frac{15}{16}$ " L X 11 $\frac{1}{4}$ " W X
11 $\frac{1}{16}$ " H

REVISIONS

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

1. ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
2. ADDING SUPERSESSION NOTE.

REVISION NO. 2, DATED DECEMBER 1984, CONSISTS OF:

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

REVISION NO. 3, DATED MAY 1989, CONSISTS OF:

1. CHANGING BOX POSITION ON PALLET.
2. UPDATING PALLET UNIT TO CONFORM TO ABOVE.
3. DELETING NSN FROM "PALLET UNIT DATA" CHART.
4. ADDING GENERAL NOTE "J".

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

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION [Ⓢ]				WEIGHT (LBS)
NSN	DOD IC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1330- 00-133-8244 01-188-6024	G881 G883	A A	IV IV	(04) 1.1 (04) 1.1	F F	1,307 1,331

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

THIS DRAWING SUPERSEDES DRAWING 19-48-4116/65C-20PA1002, REVISION NO. 1, DATED MAY 1981.

DO NOT SCALE

REVISIONS				DRAFTSMAN S dh	PROJ ENG New R.31-14
NO.	DATE	BY	CHECKER	LOG ENGINE OFFICE	DRAWING
1	JUN 84	WRF WFE	William F. Ernst DRMCM-LEP (R) (DRMCM-TRD)	W. F. Ernst	APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND
2	DEC 84	WRF WFE	William F. Ernst DRMCM-LEP (R) (DRMCM-TRD)	Heath H. Benton	APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)
3	MAY 89	WRF WFE	William F. Ernst DRMCM-LEP (R) (DRMCM-TRD)	John L. Reynolds	APPROVED, U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL
U. S. ARMY DARCOM DRAWING					
FEBRUARY 1984					
		CLASS	DIVISION	DRAWING	FILE
		19	48	4116/ 65P	20PA 1002

LOAD STRAP, 3/4" X .035" OR .031" X 14'-3" LONG STEEL STRAPPING (2 REQD). SEE GENERAL NOTE "C" AT RIGHT. STAPLE TO SPACER.

SPACER, PLYWOOD, 1/2" X 32-3/8" X 37-7/8" (1 REQD).

TIEDOWN STRAP, 3/4" X .035" OR .031" X 13'-1" LONG STEEL STRAPPING (4 REQD). SEE GENERAL NOTE "D" AT RIGHT.

35" X 45-1/2" PALLET.

SEAL FOR 3/4" STRAPPING (6 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.

TYPICAL LOCATION FOR SECUREMENT OF A STRAP CUTTER. SEE GENERAL NOTE "F" AT RIGHT.

PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

24 BOXES OF HAND GRENADES (30 PER BOX) @ 51 LBS -----	1,224 LBS (APPROX)
DUNNAGE -----	18 LBS
PALLET -----	65 LBS
TOTAL WEIGHT -----	1,307 LBS (APPROX)
CUBE -----	38.6 CU FT (APPROX)

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 PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS 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 DIMENSIONS OF THE BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIE-DOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC (DARCOM) DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING -----	DRAWING 19-48-4115-SPA1002
TRUCKLOADING -----	DRAWING 19-48-4117-11PA1003
STORAGE -----	DRAWING 19-48-4118-1-2-3-4-14-22PA1002
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING HAND GRENADES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE TITLE PAGE, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- J. THE STYLE 1A 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 THE ITEMS COVERED BY THIS APPENDIX.

BILL OF MATERIAL

PALLET, 35" X 45-1/2" -----	1 REQD	65 LBS
PLYWOOD, 1/2" -----	8.52 SQ FT REQD	12 LBS
STEEL STRAPPING, 3/4" -----	80.83' REQD	5.77 LBS
SEAL FOR 3/4" STRAPPING -----	6 REQD	NIL
STAPLE, 15/16" X 3/4" -----	2 REQD	NIL

