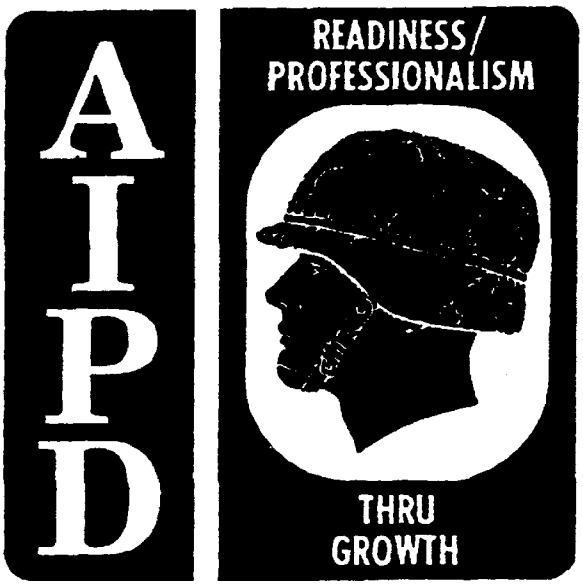
SUBCOURSE
MM3682

EDITION
7

US ARMY AMMUNITION INSPECTOR
MOS 55X SKILL LEVEL 3 COURSE

INSPECTING THE UNIT BASIC LOAD



US ARMY ORDNANCE
MISSILE AND MUNITIONS CENTER AND SCHOOL

THE ARMY INSTITUTE FOR PROFESSIONAL DEVELOPMENT

ARMY CORRESPONDENCE COURSE PROGRAM

US Army Ammunition Inspector MOS 55X
Skill Level 3 Course

INSPECTING THE UNIT BASIC LOAD

Subcourse MM3682

US Army Ordnance Missile and Munitions Center and School

This publication is provided for nonresident instruction only. It reflects the current thought of this school and conforms to published Department of the Army doctrine as closely as possible.

Users of this publication are encouraged to recommend changes and submit comments for its improvement. Comments should be keyed to the specific page and line of text to which the change is recommended. Reasons will be provided for each comment to ensure understanding and complete evaluation. Comments should be prepared using DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded directly to: Commandant, USAOMMCS, ATTN: ATSK-TC, Redstone Arsenal, AL 35897-6600.

CONTENTS

INTRODUCTION

A basic load is the ammunition that a unit must have on hand to be ready for combat. Tactical units are required to maintain serviceable basic loads on vehicles or in approved storage facilities. One of your duties as an ammunition inspector in the QA/QC section of an ammunition company may be to make the annual inspection of a unit's basic load. This involves inspecting ammunition, its storage, and the security of the storage-tasks covered in other subcourses. As part of the inspection, you must compare entries on basic load documentation and verify their accuracy. You may also be called on to provide technical assistance, because most units lack professional knowledge in the proper storage, care, preservation, and safety of ammunition. Another task you may be required to do is compute the unit basic load. This subcourse provides instruction on these last three aspects of the ammunition inspector's job.

Task. This subcourse consists of one lesson based on the following task from STP 9-55X34-SM-TG: 093-404-3173, Perform Unit Basic Load Inspection of Class V Material.

Objectives. When you have completed this subcourse, you should be able to describe the administrative procedures to follow when inspecting a unit's basic load; name the forms required for basic load accountability, state what each is used for, and verify the accuracy of entries; describe what is meant by technical assistance; and compute a unit's basic load.

Conditions. You will have this subcourse book and will work without supervision. There are no supplementary requirements in material or personnel for this subcourse.

Standard. You must score at least 75 on the end-of-subcourse examination (answer 12 of the 15 questions correctly).

Credit Hours. Three credit hours will be awarded for the successful completion of this subcourse.

Administrative Instructions

Change Sheets. If a change sheet has been sent to you with this subcourse, be sure you post the changes in the book before starting the subcourse.

Errors on TSC Form 59. Before you begin this subcourse, make sure that the information already typed on your TSC Form 59 (ACCP Examination Response Sheet) is correct. You will find the correct subcourse number and subcourse edition number on the front cover of this book. If any of the information on your TSC Form 59 is incorrect, write to:

The Army Institute for Professional Development (IPD)
US Army Training Support Center
Newport News, VA 23628-0001

A new, correctly filled-out form will be sent to you. *Do not correct the form yourself or send it to IPD.*

Questions, Changes, Corrections. If you have questions about enrollment or other administrative matters, write to IPD. If a change occurs or a correction needs to be made in your status (name, grade, rank, address, unit of assignment, etc.), notify IPD as soon as possible. These kinds of changes or corrections can be sent along on a separate sheet of paper with your completed TSC Form 59.

Correspondence with IPD. In any correspondence with IPD, always write your name, Social Security Number, and the school code of your enrollment on each page.

Grading and Certification Instructions

When you have completed the subcourse, review any of the material covered that you are not sure of. Then take the end-of-subcourse examination. When you have completed the examination in the book, you must transfer your answers to TSC Form 59. The instructions on the form itself tell you how to mark your answers on it. Follow the instructions carefully.

Once you have transferred your answers to the TSC Form 59, fold the form as it was folded when sent to you. Do not staple or mutilate this form! Place the form in the self-addressed envelope provided and mail it to IPD. No postage is needed. TSC Form 59 is the only material that you are required to return to IPD. If you return it as soon as you have completed this subcourse, you will get your next subcourse sooner.

Grading. The highest score possible on the end-of-subcourse examination is 100. The grade structure for all ACCP subcourses is given below:

Superior	95-100
Excellent	85-94
Satisfactory	75-84
Unsatisfactory	0-74

Your TSC Form 59 will be machine graded, and you will be notified of the results. Your grade on the examination will be your grade for the subcourse. No credit is given for grades below satisfactory (75).

Certificates. When you have completed the subcourse successfully, IPD will send you a subcourse completion certificate. Keep it with your other personal copies of personnel material. Subcourse completion certificates can be used to support accreditation and other personnel actions.

*** * * IMPORTANT NOTICE * * ***

THE PASSING SCORE FOR ALL ACCP MATERIAL IS NOW 70%.

PLEASE DISREGARD ALL REFERENCE TO THE 75% REQUIREMENT.

UNIT BASIC LOAD INSPECTION

ADMINISTRATIVE PROCEDURES

Before Inspecting

When the time for a unit's annual basic load inspection approaches, make an inspection appointment with the commander of the unit you will be inspecting. Ask the S4 (supply officer) of the unit's battalion to send you a list of the Department of Defense Ammunition Codes (DODACs) for the company. Then gather the publications you will need to take with you to the unit-supply bulletins and technical manuals for the DODACs maintained by the company and TM 9-1300-206, which provides quantity distance (QD) requirements and fire and safety standards.

Prior to your inspection appointment, go to the S4 of the unit's battalion. Tell the S4 who you are and why you are there. Say you want to see the property book, which is made up of copies of DA Form 3328, to look up the Class V material the unit to be inspected has signed for. Make a list of these items and take it with you to the unit.

When you arrive at the unit, report to the unit commander punctually. Request the unit's standing operating procedures (SOP); the last ammunition inspection report; DA Form 2064 (Document Register for Supply Actions); storage waivers, if any; and all the unit's ammunition documents:

- DA Form 581 (Request for Issue and Turn-In of Ammunition). Used to request or turn in ammunition. This is the source document used to make up the property book pages (DA Forms 3328). A sample DA Form 581 is given in Figure 1.

- DA Form 2062 (Hand Receipt/Annex Number). Used by the hand receipt holder as a sub-hand receipt for ammunition in subordinate units, in this case, letter companies of the battalion. The battalion S4 should have filled out a DA Form 2062 for each action. A sample DA Form 2062 is given in Figure 2.

- DA Form 3328 (Property Record). Used for accountability purposes. A separate Property Record is required for each type of ammunition on hand; together they make up the property book. A sample DA Form 3328 is given in Figure 3.

- DA Form 3328-1 (Serial/Registration Number Record). Used as a continuation form in the property book for items consisting of serial numbers or lot numbers, or both. A sample DA Form 3328-1 is given in Figure 4.

- Unit table of organization and equipment (TOE)/modified TOE (MTOE). Used to verify personnel and weapons authorized to the unit. See TOE 09064H100 Section III, in Figure 5.

- Basic Load Requirements sheet. Used to determine the requirements by type of weapon and ammunition per weapon. See the example in Figure 6.

Also request the assistance of any personnel (to help move, handle, and repack ammunition items) you will need while you are conducting the inspection. Advise the unit commander that you will render any on-the-spot technical assistance required.

REQUEST FOR ISSUE AND TURN-IN OF AMMUNITION
For use of this form, see AR 710-2: the proponent agency is DARCOM

1. DOCUMENT NUMBER: 6032-0001
2. CONTROL NUMBER:

3. FROM: WB3JAA/AT405
229th Ordnance Company
APO 09046

4. a. INITIATED BY:
b. DATE:
5. ACCOUNTING & FUNDING DATA:

6. TO: Accountable Officer
ASP # 1 WN7BAA/AK4001
APO 09114

7. a. APPROVED BY: J. M. Smith
MAJ, OD, DAO
b. DATE: 6032
8. AUTHENTICATING OFFICE NO.: 04-153

9. [X] TRANSPORTATION ORDER (Request) [ ] ALLOCATION [ ] TURN-IN [ ] OTHER (Specify)

10. ITEM NO. a	NATIONAL STOCK NUMBER b	LOT NUMBER c	QUANTITY REQUESTED d	QUANTITY ISSUED e	UNIT PRICE f	TOTAL COST g
1	1305-00-926-3970-A071 Cartridge, 5.56mm, Ball	LC 1-83 LC 4-118	 98,280	65,600 32,800		
//	////////////////////////////////	//////////	ONLY ITEM	////////////	//////////	//////////

11. REMARKS (Authority, Location of Ammunition, Instructions, etc.)
The above item is required for initial issue of basic load. Ammunition requested does not exceed authorized allowances.

12. ISSUE OR TURN-IN OF QUANTITIES IN "QUANTITY REQUESTED" COLUMN IS REQUESTED
BY: A. R. Ortiz, 1LT, SUP OFF
DATE: 6032

13. RECEIVED QUANTITIES IN "QUANTITY ISSUED" COLUMN
BY:
DATE:

DA FORM 1 MAY 64 581 REPLACES DA FORM 581, 1 OCT 45, EXISTING SUPPLIES OF WHICH WILL BE ISSUED AND USED UNTIL 1 MAY 65 UNLESS SOONER EXHAUSTED.

Figure 1. DA Form 581 (Request for Issue and Turn-In of Ammunition).

MM3682

HAND RECEIPT/ANNEX NUMBER
For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.

FROM: 1LT A. Robert Ortiz, PBO 229th Ordnance Company

TO: CW2 Thomas G. Hayes, 1st Magazine Platoon

HAND RECEIPT NUMBER: HR2

FOR ANNEX OR ONLY	END ITEM STOCK NUMBER	END ITEM DESCRIPTION	PUBLICATION NUMBER	PUBLICATION DATE	QUANTITY

STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g. A	B	C	D	E	F
1305-00-926-3970-A071	Cartridge 5.56mm Ball										
	LOT NO. LC 1-83	65600									
	LC 4-118	32800									

* WHEN USED AS A:
HAND RECEIPT, enter Hand Receipt Annex Number
HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 1 OF 1 PAGES.

DA FORM 2062 JAN 82 — EDITION OF JAN 58 IS OBSOLETE.

Figure 2. DA Form 2062 (Hand Receipt/Annex Number).

PROPERTY RECORD

For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG.

DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE	DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE
	BALANCE BROUGHT FORWARD								
6033	6032-0001	98,400		98,400					
						BALANCE CARRIED FORWARD			

UIC	AUTHORITY	STOCK NUMBER	UI
WB3JAA	USAREUR Reg 710-65	1305-00-926-3970-A071	RD

LIN	ERC	REQUIRED ALW	AUTHORIZED ALW	RICC	LCC	SEC	ECC
D34958		98,280	98,400				

ITEM DESCRIPTION: Cartridge 5.56mm Ball

DA FORM JAN 82 3328 — Together with DA Form 3328-1 replaces DA Forms 3328 Jan 77, and 3329, Aug 78, which are obsolete.

Figure 3. DA Form 3328 (Property Record).

SERIAL/REGISTRATION NUMBER RECORD

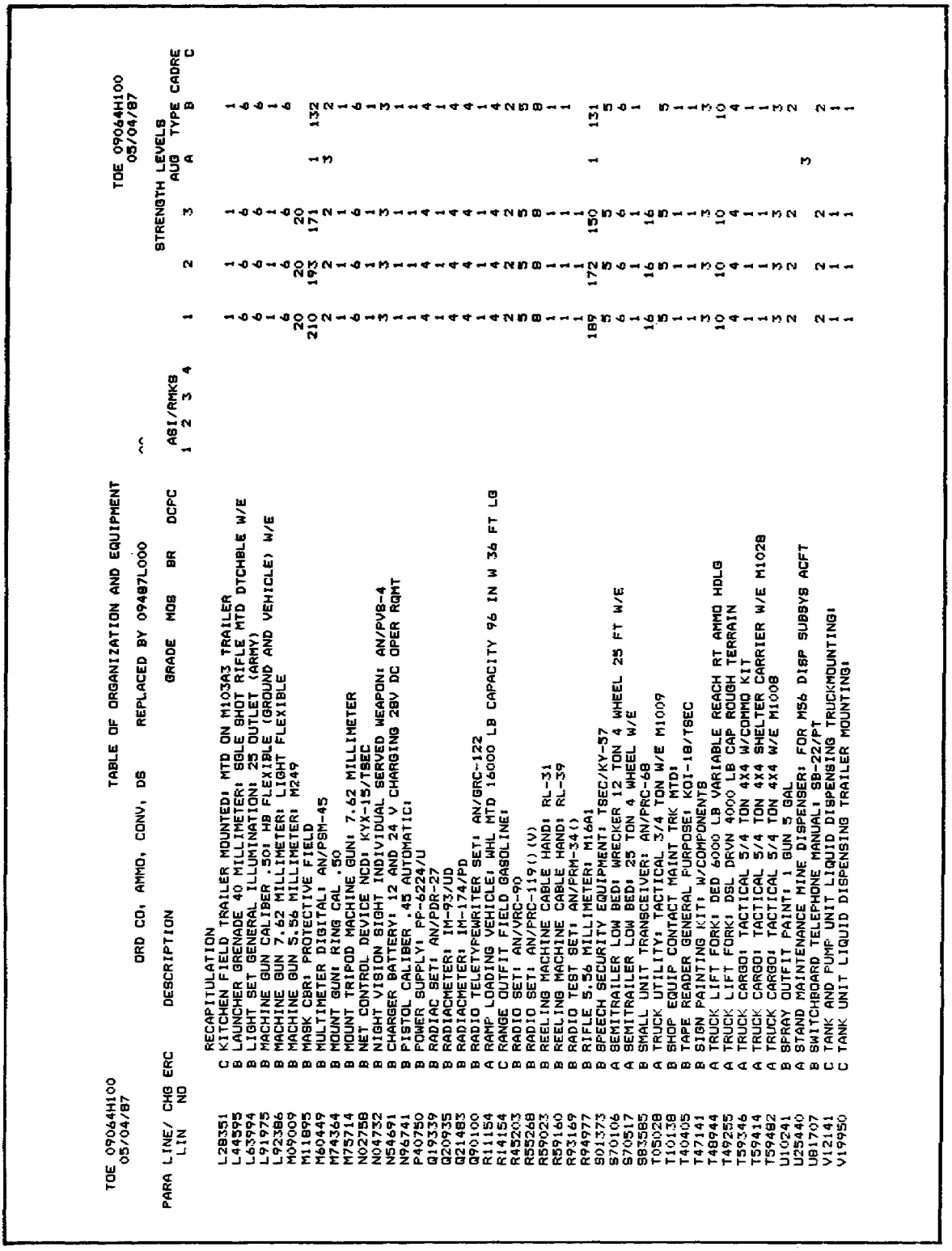
For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG.

SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION
LC 1-83	HR2	65,600					
LC 4-118		32,800					

UIC	STOCK NUMBER	ITEM DESCRIPTION
WB3JAA	1305-00-926-3970-A071	Cartridge 5.56mm Ball

DA FORM JAN 82 3328-1

Figure 4. DA Form 3328-1 (Serial/Registration Number Record).



TOE 09064H100
05/04/87

TABLE OF ORGANIZATION AND EQUIPMENT

ORD CO, AMMO, CONV, DS REPLACED BY 09487L000 ^^

TOE 09064H100
05/04/87

PARA LINE/ LIN	CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	STRENGTH LEVELS 1	2	3	AUG A	TYPE B	CADRE C
			RECAPITULATION						1	1	1			1
L28351		C	KITCHEN FIELD TRAILER MOUNTED: MTD ON M103A3 TRAILER						6	6	6			6
L44595		B	LAUNCHER GRENADE 40 MILLIMETER: SGLE SHOT RIFLE MTD DTCHBLE W/E						6	6	6			6
L63994		B	LIGHT SET GENERAL ILLUMINATION: 25 OUTLET (ARMY)						1	1	1			1
L91975		B	MACHINE GUN CALIBER .50: HB FLEXIBLE (GROUND AND VEHICLE) W/E						6	6	6			6
L92386		B	MACHINE GUN 7.62 MILLIMETER: LIGHT FLEXIBLE						20	20	20			
M09009		B	MACHINE GUN 5.56 MILLIMETER: M249						210	193	171	1	132	
M11895		B	MASK CBR: PROTECTIVE FIELD						2	2	2	3	2	
M60449		B	MULTIMETER DIGITAL: AN/PSM-45						1	1	1		1	
M74364		B	MOUNT GUN: RING CAL .50						6	6	6			6
M75714		B	MOUNT TRIPOD MACHINE GUN: 7.62 MILLIMETER						1	1	1			1
N02758		B	NET CONTROL DEVICE NCD: KYX-15/TSEC						4	4	4			4
N04732		B	NIGHT VISION SIGHT INDIVIDUAL SERVED WEAPON: AN/PVS-4						1	1	1			1
N54691		B	CHARGER BATTERY: 12 AND 24 V CHARGING 28V DC OPER RQMT						3	3	3			3
N96741		B	PISTOL CALIBER .45 AUTOMATIC:						1	1	1			1
P40750		B	POWER SUPPLY: PP-6224/U						1	1	1			1
Q19339		B	RADIAC SET: AN/PDR-27						4	4	4			4
Q20935		B	RADIACMETER: IM-93/UD						1	1	1			1
Q21483		B	RADIACMETER: IM-174/PD						4	4	4			4
Q90100		B	RADIO TELETYPEWRITER SET: AN/GRC-122						4	4	4			4
R11154		A	RAMP LOADING VEHICLE: WHL MTD 16000 LB CAPACITY 96 IN W 36 FT LG						1	1	1			1
R14154		C	RANGE OUTFIT FIELD GASOLINE:						4	4	4			4
R45203		B	RADIO SET: AN/VRC-90						2	2	2			2
R55268		B	RADIO SET: AN/PRC-119() (V)						5	5	5			5
R59023		B	REELING MACHINE CABLE HAND: RL-31						8	8	8			8
R59160		B	REELING MACHINE CABLE HAND: RL-39						1	1	1			1
R93169		B	RADIO TEST SET: AN/PRM-34()						1	1	1			1
R94977		B	RIFLE 5.56 MILLIMETER: M16A1						1	1	1			1
S01373		B	SPEECH SECURITY EQUIPMENT: TSEC/KY-57						189	172	150	1	131	
S70106		A	SEMITRAILER LOW BED: WRECKER 12 TON 4 WHEEL 25 FT W/E						5	5	5			5
S70517		A	SEMITRAILER LOW BED: 25 TON 4 WHEEL W/E						6	6	6			6
S83585		B	SMALL UNIT TRANSCEIVER: AN/PRC-68						1	1	1			1
T05028		A	TRUCK UTILITY: TACTICAL 3/4 TON W/E M1009						16	16	16			
T10138		B	SHOP EQUIP CONTACT MAINT TRK MTD:						5	5	5			5
T40405		B	TAPE READER GENERAL PURPOSE: KOI-18/TSEC						1	1	1			1
T47141		B	SIGN PAINTING KIT: W/COMPONENTS						1	1	1			1
T48944		A	TRUCK LIFT FORK: DED 6000 LB VARIABLE REACH RT AMMO HDLG						3	3	3			3
T49255		A	TRUCK LIFT FORK: DSL DRVN 4000 LB CAP ROUGH TERRAIN						10	10	10			10
T59346		A	TRUCK CARGO: TACTICAL 5/4 TON 4X4 W/COMMD KIT						4	4	4			4
T59414		A	TRUCK CARGO: TACTICAL 5/4 TON 4X4 SHELTER CARRIER W/E M1028						1	1	1			1
T59482		A	TRUCK CARGO: TACTICAL 5/4 TON 4X4 W/E M1008						3	3	3			3
U10241		B	SPRAY OUTFIT PAINT: 1 GUN 5 GAL						2	2	2			2
U25440		A	STAND MAINTENANCE MINE DISPENSER: FOR M56 D18P SUBSYS ACFT						2	2	2	3		
U81707		B	SWITCHBOARD TELEPHONE MANUAL: SB-22/PT						2	2	2			2
V12141		C	TANK AND PUMP UNIT LIQUID DISPENSING TRUCKMOUNTING:						1	1	1			1
V19950		C	TANK UNIT LIQUID DISPENSING TRAILER MOUNTING:						1	1	1			1

Figure 5. Table of Organization and Equipment 09064H100, Section III.

LIN	Weapon/Equipment	Rounds per Weapon	Packed Weight per Weapon (lb)	Rounds per Weapon Carried on Individual	Rounds per Weapon Carried on Vehicle	Rounds per Weapon Bulk Loaded
D12087	Carrier Full Tracked: Armored					
	Machine Gun Cal .50	1,995	.395		1,900	95
E56896	Combat Veh Antitank Missile (TOW)	16	87		10	6
	Machine Gun Cal .50 M2	315	.395		315	
	Machine Gun 7.62mm M60, Light Flexible	600	.093		600	
L91975	Machine Gun Cal .50 M2	525	.395		525	
L92386	Machine Gun M60, Light Flexible	3,100	.093	800	1,400	900
M68282	Mortar 4.2 Inch					
	Proj	160	40		50	110
	HE W/O Fuze	(64)				
	HE W/Fuze	(61)				
	WP W/Fuze	(30)				
	Illum W/Fuze	(5)				
	Fuze					
	Prox	(67)				
	PD	(5)				
R50681	Recovery Vehicle Full Tracked: Medium					
	Machine Gun Cal .50 M2	1,575	.396		1,470	105
R94977	Rifle 5.56mm					
	Ctg, 5.56mm	400	.042	140	300	
	Ball	(360)				
	Tracer	(80)				

Figure 6. Extract of a Basic Load Requirements Sheet.

LIN	Weapon/Equipment	Rounds per Weapon	Packed Weight per Weapon (lb)	Rounds per Weapon Carried on Individual	Rounds per Weapon Carried on Vehicle	Rounds per Weapon Bulk Loaded
V13101	Tank Combat Full					
	Tracked: 105mm Gun	83	68.490		63	20
	HEAT-T	(21)			(16)	(5)
	HEP-T	(9)			(6)	(3)
	APDS-T	(45)			(35)	(10)
	WP	(3)			(2)	(1)
	APERS	(5)			(4)	(1)
	Machine Gun M87	1,260	.345		900	360
	Machine Gun M219, fixed	7,500	.093		6,000	1,500

Note: Ammunition for the M2 and M85 machine guns are not compatible with each other.
Ammunition for the M60 and M219 machine guns are compatible with each other.

Figure 6. Extract of a Basic Load Requirements Sheet (Continued).

Inspecting

Go to the ammunition storage area and inspect the unit's stored items, storage procedures, and safety measures. This will include the unit's procedures for transporting ammunition, handling training ammunition (if applicable), and turning in ammunition.

When you inspect a unit's basic load, you also inspect the way documentation has been completed. A unit's documentation often reflects how well the company carries out the other phases of ammunition handling.

Ammunition documentation is inspected to ensure that the information is correct on all the forms, that accountability is being maintained, and that an audit trail exists for the ammunition being maintained.

As you go through the various documents and after you determine that like entries are consistent among them, write the following information for each item on your notepad:

- National Stock Number (NSN) and Department of Defense Identification Code (DODIC). The NSN identifies the particular item of ammunition requested. The DODIC identifies the interchangeability of the ammunition.

- Item description, or nomenclature. This is the name by which the ammunition is recognized within the supply system.

- Lot number. The ammunition lot number is an essential part of identifying ammunition and must be maintained in order to preserve lot integrity. It is how ammunition that is suspended or restricted is identified.

- Quantity issued or received. This is the amount of ammunition received by the company from the ammunition supply point (ASP) or turned in by the company to the ASP by lot number.

- Document number.

Use this information as you inspect the actual items in storage to verify that the listed items are on hand. Any discrepancies you find in the property book, such as incorrect lot number, NSN, nomenclature, or quantities should be corrected at the time of the inspection. Record them on your notepad to be put in the basic load inspection report you will make later. Be sure to note any safety violations.

Unit basic load documentation forms (Figures 1, 2, 3, and 4) contain the following information in common: the document number, the NSN and DODIC, the item description, the lot number, and the quantity issued or received. You must make sure that common entries match everywhere they appear. It does not matter in what order you check the forms. Use the table at the top of the next page for a quick reference of what to check where.

After Inspecting

Upon completion of the inspection, tell the unit commander and the ammunition NCO of the deficiencies you noted. These deficiencies will form the basis for the basic load inspection report that you will write when you return to the QA/QC Section. Normally, there is no set format for this report. See the example in Figure 7. Prepare the report in accordance with policy and procedures established within your command. Usually the report includes a list of deficiencies and what must be done to make the ammunition or storage area serviceable.

INFORMATION	LOCATION ON FORMS			
	DA Form 581 (Figure 1)	DA Form 2062 (Figure 2)	DA Form 3328 (Figure 3)	DA Form 3328-1 (Figure 4)
NSN and DODIC	National Stock Number column (first line)	Stock Number column	Stock Number block	Stock Number block
Item Description	National Stock Number column (second line)	Item Description column (first line)	Item Description block	Item Description block
Quantity Issued/Received	Quantity Issued column	column c	Quantity Received block	second Serial Registration Number column
Lot Number	Lot Number column	Item Description column (following item description)		first Serial Registration Number column
Document Number	Document Number block		Document Number column	
Hand Receipt Number		Hand Receipt Number block		first Location column
Authorized Allowance			Authorized ALW block*	
Balance	total of Quantity Issued column	total of column c	Balance column	total of second Serial Registration Number column
*Must match unit basic load directive				

Write the report within 30 days. Make it in four copies. Send the original copy of the report to the unit commander through command channels. At the same time, send a courtesy copy of the report directly to the unit commander. Send another copy of the report to: US Army Materiel Command (AMC), 5001 Eisenhower Avenue, Alexandria, VA 22333-0001. AMC uses these reports to develop a trend analysis to help evaluate basic load stocks and improve their management. Keep the fourth copy of the report for your files. (If you have inspected a National Guard unit, make five copies of the report and send one to: Chief, National Guard Bureau, ATTN: NGB-ARO-AM, 5600 Columbia Pike, Falls Church, VA 22041-5125.)

TECHNICAL ASSISTANCE

In addition to basic load inspections, you may be called upon to make technical assistance visits to units that the QA/QC section supports. Technical assistance is a dry-run inspection to see how well a unit would do in a real basic load inspection or to see if deficiencies noted on the annual basic load inspection have been corrected (see paragraph 3 in Figure 7). Units visited can be Reserve Component, National Guard, or active Army. In addition to unit basic loads, technical assistance can be provided for ammunition operations, mission loads, or contingency operations.

DEPARTMENT OF THE ARMY
U.S. ARMY ORDNANCE MISSILE AND MUNITIONS CENTER AND SCHOOL
REDSTONE ARSENAL, ALABAMA 35897-6000

REPLY TO
ATTENTION OF

ATSK-TCM (351) 11 Jun 87

MEMORANDUM THRU: Commander, 269th Ordnance Brigade, ATTN: ATSK-B, Redstone Arsenal, AL 35897-6400

FOR: Commander, 515th Ordnance Company, ATTN: ATSK-BPE, Redstone Arsenal, AL 35897

SUBJECT: Technical Assistance Visit (Unit Basic Load)

1. Reference SB 742-1, page 9-1, paragraph 9-1.

2. UBL report on subject visit is submitted.

3. A UBL inspection was conducted by the Ammunition Inspection Team of your Unit Basic Load. The following deficiencies were noted.

a. Two Lots of A071, do not have DA Form 3020R affixed to each lot. Lot # MA 5-63 and PB 7-87. Reference: TM 9-1300-206, page 4-1, paragraph 4-1b.

Corrective action recommended: Affix a Magazine Data Card on each lot of ammunition. Reference: As stated above.

b. One pallet of A557, Lot # 21-216 not properly stacked. Reference: TM 9-1300-206, page 4-1b.

Corrective action recommended: Ammunition be stacked IAW the approved drawing. Reference: DA Pam 75-5.

c. Inspected 50 rounds of G950, Grenade, Hand-M18, Red Smoke. Found loose tape over six grenade's emission holes, seven with damaged Fuze Lever, ten with burning mixture loose, ten with major rust on fuze assembly, and seventeen illegible markings. Reference: SB 742-1, SB 742-1330-94-3, and SB 742-1330-51.

Corrective action recommended: Turn in all defective grenades to the Ammunition Supply Point (ASP) and request the same type and quantity on a DA Form 581 IAW DA Pam 710-2-1. Reference: DA Pam 710-2-1.

d. Observed two personnel dragging boxes containing ammunition. Made on-the-spot correction. Reference: TM 9-1300-206, page 2-2, paragraph 2-4.

Figure 7. A Unit Basic Load Inspection Report.

ATSK-TCM
SUBJECT: Technical Assistance Visit (Unit Basic Load)

e. Excess dunnage and boxes not stored in an orderly manner. Reference: TM 9-1300-206, page 3-2, paragraph 3-26.

Corrective action recommended: A solid stack of dunnage should be limited to 1,500 square feet, separated from other similar areas by 50-foot fire-breaks. Reference: TM 9-1300-206, page 3-3, paragraph 3-21.

4. A reinspection of your unit will be conducted within 90 days of this letter. All deficiencies should be corrected as soon as possible.

5. Point of contact for this action is SFC Julian L. Franklin, ATSK-TCM, 876-4585/7574.

Antonio Pagan CPT

ANTONIO PAGAN
CPT, OD
Commanding

Figure 7. A Unit Basic Load Inspection Report (Continued)

You treat a technical assistance visit the same as you treat a basic load inspection, including getting documentation from the S4 and reporting to the unit commander. You inspect the same as in a real inspection. Afterwards, you notify the unit commander and the ammunition NCO of any discrepancies and safety violations and of the corrective actions required. You have 30 days to write your report. It is like the basic load inspection report, but you send out only one, the original, directly to the unit commander. Keep a copy for your files.

BASIC LOAD COMPUTATION

You may have to compute the basic load of a particular DODAC item during an inspection or technical assistance visit to see if the unit maintains the correct quantity according to its TOE/MTOE.

Start by reviewing the TOE/MTOE under which the unit is organized. All the equipment the unit is authorized to have on hand by equipment level is in Section III: Equipment Allowances. See Figure 5. For the purpose of this subcourse, the unit is authorized the quantities listed under Equipment Level 1.

Next, look at the TOE/MTOE for the weapon systems the unit has. Determine what weapon will go with each vehicle that the unit is authorized. The Basic Load Requirements sheet (Figure 6) gives ammunition requirements that depend on vehicles that have the weapon.

Two examples are given here for computing basic load. The first, ball cartridge, 5.56 millimeter, is relatively simple. The second, cartridge, 7.62 millimeter, is more complicated. You must understand these procedures thoroughly before you try any computations on your own.

Example 1: Ball Cartridge, 5.56 Millimeter

Look at Figure 5. Go down the list and find "Rifle 5.56 millimeter. M16A1 W/E." To the right, listed under Equipment Level 1, you will find that the unit is authorized 189 rifles.

Next, find the quantity of ammunition by type that is authorized per weapon system. This information must be extracted from the Basic Load Requirements sheet tabulated by the S3 (operations and training officer}, which usually comes with the basic load directive (the cover letter with the TOE/MTOE that gives the unit the authority to request its basic load). See Figure 6. Look in the Weapon/Equipment column. You will find "Rifle 5.56mm" listed. Below it, you will see the type of ammunition fired by the weapon-"Ctg. 5.56mm." Under "Ctg. 5.56mm," there are two types of cartridges authorized to be in the basic load, ball and tracer.

To determine the total quantity of 5.56mm ball cartridges authorized, multiply the rounds authorized per weapon, which is found in the column to the right on the sheet, by the number of weapons.

```
   360   rounds
× 189   weapons
 3240
2880
360
68,040   total rounds
```

If you are doing the entire unit basic load, you will have to go through this procedure for each item authorized for the unit basic load.

If you are computing the basic load of a DODAC item to verify its accuracy, go to the property record (DA Form 3328) of the unit (see Figure 8) after you have determined the authorization. In this example, look at the Required Alw block at the bottom of the form. You will see the entry "68,040." This is the same amount that was computed for ball cartridge, 5.56 millimeter. To the right on the form is the Authorized Alw block, which shows "68,400." The reason for the two different figures is that the ASP issues basic load ammunition in the full, standard pack; in this case, that exceeds the unit's authorization. This is because the basic load directive message always states, "If the unit is authorized to exceed its authorization, or if it exceeds authorization, it must draw to the next higher full pack."

Example 2: Cartridge, 7.62 Millimeter

Figuring the basic load requirement for this ammunition is more complicated, because it is used in different machine guns in more than one place. First, go to the unit TOE/MTOE and find machine gun 7.62 millimeter (see Figure 9). There are two entries, light flexible (M60) and fixed (M219). Start with the M60, Line L92386. Look at Equipment Level 1 to find how many weapons the unit is authorized. In this case, the unit is authorized nine machine guns.

Next, look at the Weapons Component for Vehicles sheet to see if the weapon system is a component of a vehicle that the unit is authorized. The Weapons Component for Vehicles sheet is tabulated by the S3. In the abbreviated example in Figure 10, there are two vehicles with machine guns that use 7.62-millimeter ammunition. They are the combat vehicle antitank: improved TOW vehicle, which has the M60, and the tank, combat, full tracked. 105mm gun, which has the M219. The first machine gun used here to figure the unit basic load of 7.26-millimeter ammunition is the M60. Go to the TOE (see Figure 9) and find out how many improved TOW vehicles the unit is authorized at Equipment Level 1. It is three. Since no other vehicle requires the M60 machine gun as a component, the other six machine guns authorized are used on the ground.

The next step for computing the basic load for the M60 machine gun, is to look at the Basic Load Requirements sheet and find out how many rounds are authorized. Looking at Figure 6, you see that machine gun M60, light flexible, is authorized 3,100 rounds per weapon. Continuing on the same sheet, you find combat vehicle, antitank. You learn that the same machine gun is a component of the improved TOW vehicle. In this case, 600 rounds are authorized per weapon.

Since the unit is authorized nine of the light flexible M60 machine guns, it is a simple process of multiplying what is authorized per weapon against the required number of weapons. Take the first situation, where the M60 machine gun is operated on the ground. You know that six of these weapons will be used on the ground.

3,100 rounds per weapon
× 6 weapons
18,600 rounds total

That leaves the three weapons that go with the improved TOW vehicle.

600 rounds per weapon
× 3 weapons
1,800 rounds total

Now, add the two amounts.

18,600 rounds
+ 1,800 rounds
20,400 rounds authorized for the light flexible M60 machine gun

PROPERTY RECORD

For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG.

DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE	DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE
	BALANCE BROUGHT FORWARD								
						BALANCE CARRIED FORWARD			

UIC	AUTHORITY	STOCK NUMBER	UI
WB3JAA	USAREUR REG 710-65	1305-00-926-3970-A071	RD

LIN	ERC	REQUIRED ALW	AUTHORIZED ALW	RICC	LCC	SEC	ECC
D34958		68,040	68,400				

ITEM DESCRIPTION: Cartridge 5.56mm Ball

DA FORM JAN 82 3328 — Together with DA Form 3328-1 replaces DA Forms 3328 Jan 77, and 3329, Aug 78, which are obsolete.

Figure 8. Completed DA Form 3328 (Property Record).

TOE 17375L000
01/24/86

TABLE OF ORGANIZATION AND EQUIPMENT

TOE 17375L000
01/24/86

A

TANK BATTALION, EQ/W, M63

ARMY OF EXCELLENCE

PARA LINE/CHG LIN	NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	1	STRENGTH LEVELS 2	3	AUG	TYPE A	B	CADRE C
			RECAPITULATION												
A01870		A	ACCY KIT: MK-1259/G F/AN/VRC-46 53 64 GRC-125 160 VIC-1 IN M88						7	7	7				
A01872		A	ACCY KIT: MK-1265/GRC F/AN/VRC-43 46 53 64GRC-125 160 IN M113						25	25	25				
A01902		A	ACCY KIT: MK-1291/G F/AN/VRC-46 53 64 GRC-125 160 IN M106 M125						6	6	6				
A01908		A	ACCESSORY KIT: MK-1320/V F/AN/VRC-12 47 IN 4577						2	2	2				
A01913		A	ACCY KIT: MK-1326/GRC F/AN/VRC-43 46 53 64 GRC-125 160 IN M577						12	12	12				
A01942		A	ACCY KIT: MK-1302/G F/AN/VRC-46 53 64 GRC-125 160 IN M60 M60A1						44	44	44				
A01943		A	ACCESSORY KIT: MK-1303/V F/AN/VRC-82 47 IN M60 M60A1						32	32	32				
A02010		A	ACCESSORY KIT: MK-1506/V SC-3 F/AN/VSC-3 IN M577						1	1	1				
A03210		B	ACCESSORY OUTFIT GASOLINE FIELD RANGE: ACCOM 50 MEN						2	2	2				
A22496		B	AIMING CIRCLE:						2	2	2				
A32060		B	ALARM CHEMICAL AGENT AUTOMATIC: PORTABLE MANPACK						45	45	45				
A56243		B	ANALYZER SET ENGINE: PORTABLE SOLID STATE (STE/ICEPM)						5	5	5				
A71438		B	ANTENNA: AT-784/PRC						4	4	4				
A72260		A	ANTENNA: RC-292						10	10	10				
A72260		B	ANTENNA: RC-292						18	18	18				
B07126		B	AXLE CABLE REEL: RL-27						1	1	1				
B48518		B	BOOK SET MEDICAL TEXT NO 1:						1	1	1				
B49272		B	BAYONET-KNIFE: W/SCABBARD FOR M16A1 RIFLE						511	489	398				
B67766		B	BINOCULAR: MODULAR CONSTRUCTION MIL SCALE RETICLE 7X50MM W/E						82	82	82				
B72636		B	BLANKET SET BED:						8	8	8				
C36120		B	BULLDOZER EARTH MOVING: TANK MOUNTING FOR M60 SERIES TANKS						4	4	4				
C60294		A	COMPUTER SET BALLISTICS: MORTAR M23						4	4	4				
C65800		A	CASE GUIDED MISSILE INFRARED TRACKER: DRAGON						3	3	3				
C68719		B	CABLE TELEPHONE: WD-1/TT DR-8 1/2						93	93	93				
C68856		B	CABLE TELEPHONE: WD-1/TT RL-159/U						2	2	2				
C89145		B	CAMOUFLAGE SCREEN SYSTEM: WOODLAND LT WT RADAR SCAT W/O SPT SYS						466	466	466				

TOE 17375L000

TOE 17375L000

Figure 9. Extract of TOE 17375L000.

TOE 17375L000 01/24/86 TOE 17375L000 01/24/86

TABLE OF ORGANIZATION AND EQUIPMENT

A TANK BATTALION, EQ/W, M63 ARMY OF EXCELLENCE

PARA LIN	LINE/CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	1	STRENGTH LEVELS 2	3	AUG TYPE A	B	CADRE C
			RECAPITULATION											
C89213		B	CAMOUFLAGE SCREEN SUPPORT SYSTEM: WOODLAND/DESERT PLASTIC POLES						466	466	466			
D10741		A	CARRIER 107 MILLIMETER MORTAR: SELF PROPELLED (LESS MORTAR)						6	6	6			
D11538		A	CARRIER COMMAND POST: LIGHT TRACKED						8	8	8			
D12087		A	CARRIER PERSONNEL FULL TRACKED: ARMORED						16	16	16			
E00533		A	CHARGER RADIAC DETECTOR: PP-1578/P)						21	21	21			
E10835		C	CHEST HYMNBOOK: W/HANDLES						1	1	1			
E32535		A	CLEANER STEAM PRESSURE JET: WITH STEAM GEN BASE MTD 100 PSI						1	1	1			
E56896		A	COMBAT VEHICLE ANTI-TANK: IMPROVED TOW VEHICLE (W/O TOW WEAPON)						3	3	3			
E63728		A	COMPASS MAGNETIC UNMOUNTED: MIL GRADUATIONS						10	10	10			
E69242		B	COMP UNIT RCP: AIR REC GAS DRVN 15 CFM 175 PSI						1	1	1			
E70064		B	COMP UNIT RCP: TRK 2 WHL PNEU TIRES GAS DRVN 5 CFM 175 PSI						4	4	4			
F81880		A	DECONTAMINATING APPARATUS POWER DRIVEN SKID MOUNTED: MULTIPURPOSE						1	1	1			
F91490		B	DEMOLITION SET EXPLOSIVE: INITIATING ELECTRIC AND SEMI ELECTRIC						1	1	1			
G02204		B	DETECTING SET MINE: PTBL METALLIC AND NON METALLIC						1	1	1			
G02341		B	DETECTING SET MINE: PTBL METALLIC (AN/PSS-11)						2	2	2			
G44559		C	DRAFTING EQUIPMENT SET BATTALION: CHARTS SKETCHES AND OVERLAYS						1	1	1			
G85202		B	DUPLICATING MACHINE STENCIL PROCESS: BENCH TYPE HAND MTD AUTO FD						1	1	1			
H02300		A	ELECTRONIC TELETYPEWRITER SECURITY EQUIPMENT: TSEC/KW-7						1	1	1			
J43918		B	GEN ST GAS ENG: 1.5KW 60 HZ IPH 2 WIRE AC 120V SHOCK TAC UTILITY						8	8	8			
J44055		B	GEN ST GAS ENG: 1.5KW DC 28V SHOCK TACTICAL UTILITY						1	1	1			
J45699		B	GEN ST GAS ENG: 3KW 60HZ 1-3PH 120/240 120/208V SKD TAC UTILITY						1	1	1			
J46110		B	GEN ST GAS ENG: 3KW DC 28V SKD-SHK I BLR FRAME MTD TAC UTILITY						2	2	2			
K23814		B	HEADSET-MICROPHONE: H-18 2/PT						6	6	6			
K24862		B	HEATER DUCT TYPE PTBL: GAS 250000 31 U WHL MTD						5	5	5			
K25342		C	HEATER IMMERSION LIQUID FUEL FIRED: 34-3/4 IN LG OF HEATER						10	10	10			
K52926		B	HOSE ASSEMBLY: NONMETALLIC WATER USE W/PIN ORROCKER LUG WRENCHING						6	6	6			

TOE 17375L000 TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

TOE 17375L000 01/24/86 — TABLE OF ORGANIZATION AND EQUIPMENT — TOE 17375L000 01/24/86

A — TANK BATTALION, EQ/W, M63 — ARMY OF EXCELLENCE

PARA LIN	LINE/CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	STRENGTH LEVELS 1	2	3	AUG	TYPE A	TYPE B	CADRE C
			RECAPITULATION												
K53748		B	HOSE ASSEMBLY: NONMETALLIC FUEL/OIL HYDROCARBON USE BRASS FITTIN						8	8	8				
K87233		A	INSTALLATION KIT: MK-122 4/VRC-49 F/AN/VRC-49 IN M151						1	1	1				
K87243		A	INSTALLATION KIT: MK-123 4/G F/AN/VRC-46 53 64 GRC125 160 IN M151						20	20	20				
K87248		A	INSTL KIT: F/AN/VRC-43 4 6 53 64 GRC-125 160 IN M34 35 135 211						1	1	1				
K87254		A	INSTL KIT: MK-1246/GRC F/AN/VRC-46 53 64 AN/GRC-125 160 IN M561						2	2	2				
K87269		A	INSTALLATION KIT: MK-130 6/VRC-47 F/AN/VRC-47 IN M151						1	1	1				
K87338		A	INS KT: MK-1454/U F/VRC-53 64 GRC-125 160 INS NOT CVRD BY SPEC KT						2	2	2				
K87456		A	INSTL KT: MK-1817/GRC F/AN/VRC-46/53/64 GRC-125/160 in M882/M892						3	3	3				
L44595		A	LAUNCHER GRENADE 40 MILLIMETER: SGLE SHOT RIFLE MTD DTCHBLE W/E						14	14	14				
L44612		A	LAUNCHER GRENADE SMOKE: SCREENING RED PHOSPHOROUS M239						65	65	65				
L44748		A	LAUNCHER GRENADE SMOKE: SCREENING RP M259						14	14	14				
L45740		A	LAUNCHER TUBULAR GUIDED MISSILE: (TOW)						3	3	3				
L63994		B	LIGHT SET GENERAL ILLUMINATION: 25 OUTLET (ARMY)						2	2	2				
L67021		A	LAUNCHER GRENADE SMOKE: SCREENING RP M243						3	3	3				
L85146		A	LUBRICAT-SERV UNIT PWR OPER: M105 TLR MTD 15CFM AIR COMP GED W2D						1	1	1				
L91975		A	MACHINE GUN CALIBER .50: HB FLEXIBLE (GROUND AND VEHICLE) W/E						42	42	42				
L92112		A	MACHINE GUN CALIBER .50: VEHICLE HEAVY FIXED						58	58	58				
L92352		A	MACHINE GUN 7.62 MILLIMETER: FIXED						58	58	58				
L92386		A	MACHINE GUN 7.62 MILLIMETER: LIGHT FLEXIBLE						9	9	9				
M10936		B	MASK: PROTECTIVE TANK						326	326	260				
M11895		B	MASK CBR: PROTECTIVE FIELD						217	194	168				
M51419		C	MISSILE SIMULATION ROUND: (TOW)						6	6	6				
M52274		B	MES BATTALION AID STATION:						1	1	1				
M60449		B	MULTIMETER DIGITAL: AN/P SM-45						6	6	6				
M68282		A	MORTAR 4.2 INCH: ON MOUNT						6	6	6				
M74364		A	MOUNT GUN: RING CAL .50						21	21	21				

TOE 17375L000 — TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

TOE 17375L000
01/24/86

TABLE OF ORGANIZATION AND EQUIPMENT

TOE 17375L000
01/24/86

A

TANK BATTALION, EQ/W, M63

ARMY OF EXCELLENCE

PARA LIN	LINE/CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	1	STRENGTH LEVELS 2	3	AUG TYPE A	B	CADRE C
			RECAPITULATION											
M74526		A	MOUNT GUIDED MISSILE LAUNCHER SYSTEM: M-175 (DRAGON)						3	3	3			
M75577		A	MOUNT TRIPOD MACHINE GUN: HEAVY CALIBER 50						19	19	19			
M75577		B	MOUNT TRIPOD MACHINE GUN: HEAVY CALIBER 50						15	15	15			
M75714		A	MOUNT TRIPOD MACHINE GUN: 7.62 MILLIMETER						4	4	4			
M75714		B	MOUNT TRIPOD MACHINE GUN: 7.62 MILLIMETER						5	5	5			
N04456		A	NIGHT VISION GOGGLES: AN/PVS-5						168	168	168			
N04596		A	NIGHT VISION SIGHT CREW SERVED WEAPON: AN/TVS-5						21	21	21			
N05050		A	NIGHT VISION SIGHT SET: AN/UAS-11						2	2	2			
N15518		A	NIGHT VISION SIGHT TRIPOD MOUNTED: AN/TVS-4						2	2	2			
N54691		B	CHARGER BATTERY: 12 AND 24 V CHARGING 23V DC OPER RQMT						2	2	2			
N76466		B	PEDESTAL INFRARED TRANSMITTER GUIDED MISSILE SYSTEM: M5 (DRAGON)						1	1	1			
N96741		A	PISTOL CALIBER .45 AUTOMATIC:						316	313	246			
P07900		B	PLOTTING BOARD INDIRECT FIRE: AZIMUTH						10	10	10			
P37218		A	POWER SUPPLY: PP-1104/G						1	1	1			
P70517		B	PURGING KIT FIRE CONTROL: ORG MAINT						6	6	6			
P81748		B	PROTRACTOR FAN RANGE DEFLECTION: AL 1 TO 50000 METER RANGE						4	4	4			
P91756		B	PUMP CENTRF: GAS DRVN FRAME MTD 1-1/2 IN 656PM 50 FT HD						2	2	2			
Q03468		A	QUADRANT FIRE CONTROL: GUNNERS						61	61	61			
Q19339		B	RADIAC SET: AN/PDR-27						6	6	6			
Q20935		A	RADIACMETER: IM-93/UD						56	56	56			
Q20935		B	RADIACMETER: IM-93/UD						35	35	35			
Q21483		B	RADIACMETER: IM-174/PD						34	34	34			
Q34308		A	RADIO SET: AN/GRC-1&0						14	14	14			
Q38299		A	RADIO SET: AN/PRC-77						5	5	5			
Q45779		A	RADIO SET: AN/VRC-12						34	34	34			
Q53001		A	RADIO SET: AN/VRC-46						63	63	63			

TOE 17375L000

TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

TOE 17375L000 01/24/86 TOE 17375L000 01/24/86

TABLE OF ORGANIZATION AND EQUIPMENT

A ARMY OF EXCELLENCE

TANK BATTALION, EQ/W, M63

PARA LINE/CHG LIN	NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	1	STRENGTH LEVELS 2	3	AUG TYPE A	B	CADRE C
			RECAPITULATION											
Q54174		A	RADIO SET: AN/VRC-47						1	1	1			
Q55114		A	RADIO SET: AN/VRC-49						1	1	1			
Q56783		A	RADIO SET: AN/VRC-54						41	41	41			
Q78282		A	RADIO SET CONTROL GROUP: AN/GRA-39						30	30	30			
Q91302		A	RADIO TELETYPEWRITER SET: AN/VSC-3						1	1	1			
R14154		C	RANGE OUTFIT FIELD GASOLINE:						8	8	8			
R50681		A	RECOVERY VEHICLE FULL TRACKED: MEDIUM						7	7	7			
R56742		B	REEL EQUIPMENT: CE-11						26	26	26			
R59023		B	REELING MACHINE CABLE HAND: RL-31						1	1	1			
R59160		B	REELING MACHINE CABLE HAND: RL-39						48	48	48			
R88696		B	RESUSCITATOR-ASPIRATOR: INTERMITTENT POSITIVE PRESSURE MAN CYCLE						8	8	8			
R93169		B	RADIO TEST SET: AN/PRM-34( )						5	5	5			
R94977		A	RIFLE 5.56 MILLIMETER: M16A1						226	207	182			
S66941		A	A SEARCHLIGHT INFRARED: AN/VSS-3						58	58	58			
T25726		B	TONE-SIGNALLING ADAPTER: TA-977( )/PT						1	1	1			
T45593		B	SIGHT BORE OPTICAL:						2	2	2			
T70158		A	TEST SET CABLE F/M450A3						1	1	1			
T90579		A	TEST SET TURRET ELECTRICAL SYSTEM: I U						1	1	1			
U06145		B	SPLINT SET: TELESCOPIC SPLINTS						8	8	8			
U56346		A	SUBMACHINE GUN CALIBER .45:						130	130	130			
U65480		A	SURGICAL INSTRUMENT AND SUPPLY SET INDIVIDUAL:						12	12	12			
U81707		B	SWITCHBOARD TELEPHONE MANUAL: SB-22/PT						6	6	6			
U82529		B	SWITCHBOARD TELEPHONE MANUAL: SB-993/GT						2	2	2			
V12141		A	TANK AND PUMP UNIT LIQUID DISPENSING TRUCKMOUNTING:						8	8	8			
V13101		A	TANK COMBAT FULL TRACKED: 105MM GUN						58	58	58			
V19950		A	TANK UNIT LIQUID DISPENSING TRAILER MOUNTING:						8	8	8			

TOE 17375L000 TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

TOE 17375L000 01/24/86 TABLE OF ORGANIZATION AND EQUIPMENT TOE 17375L000 01/24/86

A TANK BATTALION, EQ/W, M63 ARMY OF EXCELLENCE

PARA LIN	LINE/CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	STRENGTH LEVELS 1	2	3	AUG A	AUG TYPE B	CADRE C
			RECAPITULATION											
V31211		B	TELEPHONE SET: TA-31 2/PT						43	43	43			
V35477		B	TELESCOPE STRAIGHT: MILITARY						2	2	2			
V69258		B	TEST SET BATTERY: AN/PSM-13						5	5	5			
W02526		A	TESTER AIR FLOW: USED ON VEHICLES W/GAS PARTICULATE FILTER UNITS						6	6	6			
W32182		B	TOOL KIT ARTILLERY MECHANICS: ORD						14	14	14			
W32593		B	SHOP EQUIPMENT AUTO MAINT AND REPAIR: ON COMMON NO 1 LESS POWER						1	1	1			
W32730		A	SHOP EQUIPMENT AUTO MAINT AND REPAIR: ON COMMON NO 2 LESS POWER						1	1	1			
W33004		B	TOOL KIT GENERAL MECHANICS: AUTOMOTIVE						54	52	42			
W34648		B	TOOL KIT CARPENTERS: ENGINEER SQUAD W/CHEST						5	5	5			
W37483		B	TOOL KIT ELECTRIC EQUIPMENT: TK-101/GSQ						7	6	5			
W48391		B	WELDING SHOP TRAILER MOUNTED: OXY-ACET/ELEC ARC						1	1	1			
W51910		B	TOOL KIT SHALL ARMS REPAIRMAN: ORDNANCE						5	5	5			
W58075		B	TOOL KIT WELDERS:						1	1	1			
W65747		A	TOOL SET VEHICLE FULL TRACKED: ORG MAINT SUPPL NO 2 LESS POWER						1	1	1			
W80715		A	TRACKER INFRARED GUIDED MISSILE SU-36 (XO-1)/P: (DRAGON)						3	3	3			
W93400		A	TRAILER CARGO: 1/4 TON 2 WHEEL W/E						21	21	21			
W95811		A	TRAILER CARGO: 1-1/2 TON 2 WHEEL W/E						20	20	20			
W95811		B	TRAILER CARGO: 1-1/2 TON 2 WHEEL W/E						17	17	17			
W98825		B	TRAILER TANK: WATER 400 GALLON 1-1/2 TON 2 WHEEL W/E						10	10	10			
X18673		C	TRANSMITTING SET INFRARED: M89E1 (DRAGON)						1	1	1			
X39447		A	TRUCK CARGO: TACTICAL 1-1/4 TON 4x4 W/60 AMP-COMM KITS W/E						3	3	3			
X39940		A	TRUCK CARGO: 1-1/4 TON 6X6 W/E						2	2	2			
X40009		A	TRUCK CARGO: 2-1/2 TON 6X6 W/E						1	1	1			
X40009		B	TRUCK CARGO: 2-1/2 TON 6X6 W/E						23	23	23			
X40146		B	TRUCK CARGO: 2-1/2 TON 6X6 W/WINCH W/E						5	5	5			
X40794		A	TRUCK CARGO: DROP SIDE 5 TON 6X6 W/E						10	10	10			

TOE 17375L000 TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

TOE 17375L000 01/24/86

TABLE OF ORGANIZATION AND EQUIPMENT

TOE 17375L000 01/24/86

A

TANK BATTALION, EQ/W, M63

ARMY OF EXCELLENCE

PARA LIN	LINE/CHG NO	ERC	DESCRIPTION	GRADE	MOS	BR	DCPC	ASI/RMKS 1 2 3 4	STRENGTH LEVELS 1	2	3	AUG A	TYPE B	CADRE C
			RECAPITULATION											
X40794		B	TRUCK CARGO: DROP SIDE 5 TON 6X6 W/E						2	2	2			
X40831		A	TRUCK CARGO: 5 TON 6X6 L WB W/E						10	10	10			
X60833		A	TRUCK UTILITY: 1/4 TON 4X4 W/E						21	21	21			
X63299		A	TRUCK WRECKER: 5 TON 6X6 W/WINCH W/E						2	2	2			
Y34027		C	WATCH WRIST: NON MAINTAINABLE						112	112	112			
Y85377		B	WRENCH TORQUE: 3/4 IN SQ MALE DRIVE 600 FT-LB CAPACITY						16	16	16			

TOE 17375L000

TOE 17375L000

Figure 9. Extract of TOE 17375L000 (Continued).

Weapon LIN	Weapon Nomenclature with Components
D12087	Carrier Personnel Full Tracked:Armored Machine Gun Cal .50, M2
E56896	Combat Vehicle Antitank:Improved TOW Vehicle Missile (TOW) Machine Gun Cal .50, M2 Machine Gun 7.62mm, M60
R50681	Recovery Vehicle Full Tracked:Medium Machine Gun Cal .50, M2
V13101	Tank Combat Full Tracked: 105 Millimeter Gun Machine Gun Cal .50, M87 Machine Gun 7.62mm, M219

Figure 10. Extract of a Weapons Component for Vehicles Sheet.

You still are not finished with the basic load computation for this type of ammunition. There is the other machine gun that uses 7.62-millimeter ammunition (see Line L92352 in Figure 9). It is the M219, a component of a tank. There are 58 full-tracked combat tanks authorized (see Line V13101 in Figure 9), each with one M219 machine gun (see Figure 10). The Basic Load Requirements sheet in Figure 6 shows 7,500 rounds of 7.26-millimeter ammunition authorized.

```
  7,500 rounds per tank
  × 58 tanks
  60000
 37500
435,000 rounds authorized for the
        fixed machine gun
```

After you make the calculation for the tank requirement, add that amount to the rounds authorized for the light flexible M60 machine gun to get the total authorization for 7.62-millimeter ammunition.

```
  20,400 rounds for the M60
+ 435,000 rounds for the M219
  455,400 total rounds of 7.62-millimeter
          ammunition authorized
```

Your computation of the basic load authorization for cartridge, 7.62 millimeter is complete.

REVIEW EXERCISES

Circle the letter of the correct answer to each question.

1. Where do you go first when you arrive at the unit you are to inspect for unit basic load?

   a. The S4.
   b. The unit commander.
   c. The chief of the ammunition office.

2. Upon what do you base your unit basic load inspection report?

   a. Items actually on hand.
   b. Status of markings and packaging.
   c. Item discrepancies.
   d. Properly filled-out DA Form 2062.

3. You are checking the unit's property book during a basic load inspection. What form is the source document for making up DA Form 3328?

   a. DA Form 3328-1.
   b. DD Form 3022.
   c. DA Form 581.
   d. DA Form 09-038H.

4. What is the purpose of the DA Form 2062 in basic load transactions?

   a. To sub-hand receipt ammunition.
   b. To request basic load ammunition.
   c. To compute authorized allowances.
   d. To be a continuation form for serial and/or lot numbers.

5. What entry is made in the Location block of DA Form 3328-1 when using ammunition lot numbers?

   a. ASP numbers.
   b. Document number.
   c. Hand receipt number.
   d. Stock number.

Questions 6 through 8 test your ability to inspect unit property records on basic load for completeness and accuracy. Use Figures 1, 2, 3, and 4 and the information below.

NSN 1305-00-914-4719-A068
Cartridge 5.56mm, tracer M193 (basic load requirement: 21,840)
1,640 rounds per box
HN D 34963
Unit Identification Code WB3JAA
USAREUR REG 710-65
Document Number 6071-0001
Property Book Officer (PBO), CPT William Sharp, 229th Ordnance Company
1st Magazine Platoon Leader, CW2 Thomas Moor
2nd Magazine Platoon Leader, W01 James U. Tanner
HR 1 is the HQ Platoon, which received two boxes of ammunition
HR 2 is the 1st Magazine Platoon, which received four boxes of ammunition
HR 3 is the 2nd Magazine Platoon, which received four boxes of ammunition
HR 4 is the Service Platoon, which received three boxes of ammunition
Equipment Level 1
ASP issued to full depot pack for basic load items
Basic load directive states: "The basic load will not exceed authorization. Units are authorized to draw to the next highest full box."
Ammunition is being issued to the 2nd Magazine Platoon by unit supply personnel.
The platoon is to receive four boxes of the ammunition and all transactions are completed on 6072.

6. You have inspected the unit basic load of ammunition and have found deficiencies in the property book entries. What deficiencies were noted on the DA Form 3328 in Figure 11?

   a. Date posted and UIC wrong.
   b. Document number and allowances wrong.
   c. Stock number and item description wrong.
   d. Balance and required allowances wrong.

7. What deficiencies were noted on the DA Form 3328-1 in Figure 12?

   a. Item description and serial/registration number wrong.
   b. Stock number and lot number wrong.
   c. UIC and hand receipt number wrong.
   d. Quantity received and UIC not in agreement.

8. What deficiencies were noted on the DA Form 2062 in Figure 13?

   a. Stock number and lot number inverted.
   b. Lot number and quantity not in agreement with DA Form 3328-1.
   c. Platoon leader is not the authorized hand receipt holder.
   d. Nomenclature and hand receipt number wrong.

PROPERTY RECORD

For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG.

DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE	DATE POSTED	DOCUMENT NUMBER	QUANTITY RECEIVED	QUANTITY TURN-IN	BALANCE
	BALANCE BROUGHT FORWARD								
6072	6071-0002	21320		21320					
						BALANCE CARRIED FORWARD			

UIC	AUTHORITY	STOCK NUMBER	UI
WB3JAA	USAREUR REG 710-65	1305-00-914-4719-A068	RD

LIN	ERC	REQUIRED ALW	AUTHORIZED ALW	RICC	LCC	SEC	ECC
D34963		23,000	21,320				

ITEM DESCRIPTION: Cartridge 5.56mm Tracer M196

DA FORM JAN 82 3328 — Together with DA Form 3328-1 replaces DA Forms 3328 Jan 77, and 3329, Aug 78, which are obsolete.

Figure 11.

SERIAL/REGISTRATION NUMBER RECORD

For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG.

SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION	SERIAL/ REGISTRATION NUMBER	LOCATION
TW 5-69	HR1	3,280					
	HR2	6,560					
	HR3	6,560					
	HR4	6,560					

UIC	STOCK NUMBER	ITEM DESCRIPTION
WC3JAAA	1305-00-914-4719-A068	Cartridge 5.56mm Tracer M196

DA FORM JAN 82 3328-1

Figure 12.

HAND RECEIPT/ANNEX NUMBER
For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.

FROM: CPT William Sharp, PBO, 299th Ordnance Co.

TO: WO1 James W. Tanner, 2nd Magazine Platoon

HAND RECEIPT NUMBER: #3

FOR ANNEX CR ONLY	END ITEM STOCK NUMBER	END ITEM DESCRIPTION	PUBLICATION NUMBER	PUBLICATION DATE	QUANTITY

STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g. A	B	C	D	E	F
1305-00-914-4791-A068	Cartridge 5.56mm Tracer M196										
	LOT NO. TW 5-96	6560									
1305-00-926-3970-A071	Cartridge 5.56mm Ball M193										
	LOT NO. LC 1-83	33600									

* WHEN USED AS A
HAND RECEIPT, enter Hand Receipt Annex Number
HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 1 OF 1 PAGES

DA FORM 2062 JAN 82 — EDITION OF JAN 58 IS OBSOLETE.

Figure 13.

9. What do you do during unit basic load inspection and technical assistance visits besides inspecting ammunition?

   a. Inspect the work flow in the maintenance section.
   b. Perform a strength test on any tarpaulins used.
   c. Check the motor pool area.
   d. Check for safety violations.

10. What is the basic load requirement in rounds for 5.56-millimeter tracer ammunition using Equipment Level 1? Use the information in Figures 5 and 6.

    a. 98,400.
    b. 15,120.
    c. 20,400.
    d. 98,600.

Recheck your answers to the Review Exercises. When you are satisfied that you have answered every question to the best of your ability, check your answers against the Exercise Solutions. If you missed three or more questions, you should retake the entire lesson, paying particular attention to the areas in which your answers were incorrect.

EXERCISE SOLUTIONS

1. b (page 6)
2. a (page 14)
3. c (page 6)
4. a (page 6)
5. c (page 10)
6. b (page 31)
7. d (pages 31 and 32)
8. a (page 30)
9. d (page 14)
10. b (pages 11 and 12)