

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING
 DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
 MULTIMETERS AN/USM-33 AND AN/USM-33A
 FSN 6625-648-9172

Headquarters, Department of the Army, Washington, D.C.
 15 August 1973

Current as of January 1973

Section		Paragraph	Page
I.	INTRODUCTION		
	Scope.....	1-1	2
	General	1-2	2
	Explanation of columns.....	1-3	2
	Special information	1-4	4
	Location of repair parts	1-5	4
	Abbreviations(Not applicable).....	1-6	4
	Reporting of equipment publication improvements	1-7	4
II.	REPAIR PARTS LIST.....		6
III.	SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT (Not applicable)		
IV.	INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND ITEM NUMBER.....		8

**This publication is a courtesy quick copy
 from the UNITED STATES ARMY
 PUBLICATIONS CENTER, ST; LOUIS, MISSOURI,
 to meet your needs while we are replenishing
 our regular stock.**

*This manual supersedes TM 11-6625-314-35P, 27 November 1961.

SECTION I INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of direct support, general support, and depot maintenance of the AN/USM-33 and AN/USM-33A. The PCCN for the equipment is GTEABN for all models.

1-2. General

This repair parts and special tools list is divided into the following sections:

a. *Repair Parts List-Section II.* A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level. This repair parts list is arranged in alphabetical order.

b. *Special Tools, Test and Support Equipment - Section III.* Not applicable.

c. *Index-Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number-Section IV.* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphabetic sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number or reference designation appearance.

1-3. Explanation of Columns

The following provides an explanation of columns found in the tabular list.

a. Source, Maintenance, and Recoverability Codes (SMR).

(1) Source code. Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are-

<i>Code</i>	<i>Explanation</i>
PA -	Item procured and stocked for anticipated or known usage.
PB -	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC -	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD -	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or

outfittings. Not subject to automatic replenishment.

<i>Code</i>	<i>Explanation</i>
PE -	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF -	Support equipment which will not be stocked but which will be centrally procured on demand.
PG -	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD -	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF -	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or direct support or general support levels of maintenance. KB Item included in both a depot overhaul/repair kit and a maintenance kit.
MO -	Item to be manufactured or fabricated at organizational level.
MF -	Item to be manufactured or fabricated at direct support maintenance level.
MH -	Item to be manufactured or fabricated at general support maintenance level.
MD -	Item to be manufactured or fabricated at-depot maintenance level.
AO -	Item to be assembled at organizational level.
AF -	Item to be assembled at direct support maintenance level.
AH -	Item to be assembled at general support maintenance level.
AD -	Item to be assembled at depot maintenance level.
XA -	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB -	Item is not procured or stocked. If not available through salvage, requisition.
XC -	Installation drawing, diagram instruction sheet, field service drawing, that is identified by manufacturers' part number.
XD -	Support items can be requisitioned with justification.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 70042.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code Format as follows

(a) *Use (third position).* The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

<i>Code</i>	<i>Application/Explanation</i>
O -	Support item is removed, replaced, used at the organizational level of maintenance.

NOTE

A code "C" may be used in this position to denote crew or operator maintenance performed within organizational maintenance.

- F - Support item is removed, replaced, used at the direct support maintenance level.
- H - Support item is removed, replaced, used at the general support maintenance.
- D - Support items that are removed, replaced, used at depot only.

(b) *Repair (fourth position).* The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). When a maintenance code is not used a dash (-) sign is entered. For multi-service equipment/ systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code-

<i>Code</i>	<i>Application/Explanation</i>
O -	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F -	The lowest maintenance level capable of complete repair of the support item is direct support.
H -	The lowest maintenance level capable of complete repair of the support item is general support.
D -	The lowest maintenance level capable of complete repair of the support item is the depot level.

<i>Code</i>	<i>Application/Explanation</i>
L -	Repair restricted to designated Specialized Repair Activity.

- Z - Non-repairable. No repair is authorized.
- B - No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows-

<i>Code</i>	<i>Explanation</i>
Z -	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in the first digit of the maintenance code.
O -	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F -	Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.
H -	Repairable item. When uneconomically repairable, condemn and dispose at the general support level.
D -	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L -	Repairable item. Repair, condemnation, and disposal not authorized below depot/Specialized Repair Activity level.
A -	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material).

b. *Federal Stock Number.* Indicates the Federal stuck number assigned to the item and will be used for requisitioning purposes.

c. *Description.* Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

d. *Unit of Measure (U/M).* Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This

measure is expressed by a two-character alphabetical abbreviation: e.g., ea. in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. *Quantity Incorporated in Unit.* This column indicates the quantity of the item used in the equipment.

f. *30-Day DS/GS Maintenance Allowances.*

NOTE

Allowances in GS column are for GS maintenance only.

(1) The repair parts indicated by asterisk entries in separate allowance columns for DS and GS represent those authorized for use at that category of maintenance to be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Allowance quantities are indicated in the special tool lists section. for special tools, TMDE, and other support equipment.

g. *1-Year Allowances Per 100 Equipments/Contingency Planning Purposes.* Column intentionally left blank.

h. *Depot Maintenance Allowance Per 100 Equipments.* This column indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments.

e. *Illustration.* This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown in TM 11-6625-314-15.

(2) *Item number.* Indicates the item number or reference designation used to reference the item in the illustration.

1-4. Special Information

a. Usable on codes are included in column 3. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are -

<i>Code</i>	<i>Used on</i>
AMD	AN/USM-33
AME	AN/USM-33A

b. The following publications pertain to the equipment and its components:

TM 11-6625-314-15	Operator, Organizational, Field, and Depot Maintenance Manual:
-------------------	--

MultimeterAN/USM-33.

TM 11-6625-314-20P

Organizational Maintenance Repair Parts and Special Tools Lists: Multimeters AN/USM-33 and AN/USM-33A.

1-5. Location of Repair Parts

a. This manual contains one cross-reference index (sec IV) to be used to locate a repair part when either the Federal stock number or reference number (manufacturer's part number) is known. The first column in the index is prepared in numerical or alphanumeric sequence in ascending order. The reference numbers (manufacturer's part numbers) are listed immediately following the last listed Federal stock number in the index of Federal stock numbers.

b. When the Federal stock number or reference number is known, follow the procedures given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec IV) and locate the Federal stock number or reference number. The FSN and reference number are cross-referenced to the applicable figure and item number or reference designation.

(2) Refer to the repair parts list (sec II) and locate the figure number (col 10a) and item number or reference designation (col 10b) as noted in the FSN index.

c. When the figure and item number or reference designation are known. scrutinize columns 10a and 10b of the repair parts list (sec II) until the item is located.

d. When the FSN. reference number, figure number, item number and reference designation are not known, scrutinize column 3 of the repair parts list (sec II), which is arranged in alphabetical order.

1-6. Abbreviations

Not applicable.

1-7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSELMA-CRA, Fort Monmouth. N.J 07703.

(Next printed page is 6)

SECTION II

TM11-6625-314-34P

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAYS DS MAINT ALLOWANCE			(7) 30 DAYS GS MAINT ALLOWANCE			(8) 1-YEAR ALW PER 100 EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a) FIGURE NO.	(b) ITEM NO.
					1-20	21-50	51-100	1-20	21-50	51-100				
PAOZZ	6145-542-6092	GROUP 0001 LEAD, TEST CX-2281/USM-33 CABLE, RADIO FREQUENCY NO-REF-DESIG 10..... FT LG	EA	10	*	*	*	*	*	*		10	6	
PAOZZ	5975-281-9046	RG58CU (80044) CABLE NIPPLE, ELECTRICAL NO-REF-DESIG 49 (02871)	EA	2	*	*	*	*	*	*		3	6	3
PAOZZ	5999-230-1212	CLIP, ELECTRICAL NO-REF-DESIG 48B 76545)	EA	2	*	*	*	*	*	*		3	6	1
PAOZZ	5935-654-9722	CONNECTOR NO-REF-DESIG 124-1017 (95325)	EA	2				*	*	*		3	6	6
PAOZZ	5935-654-9705	TIP, CABLE NO-REF-DESIG 124-1013 (95325)	EA	2	*	*	*	*	*	*		3	6	7
PAHHD	5950-655-0569	GROUP 0002 MULTIMETER ME-79/USM-33 COIL L101.....	EA	1				*	*	*		3	3	3
PAHHD	6625-646-8777	124-0163 (95325) COVER NO-REF-DESIG.....	EA	1				*	*	*		3	3	1
PAOZZ	6625-646-8770	124-1001 (95325) COVER, TONG, INSULATING NO-REF-DESIG 124-1048 (95325)	EA	2	*	*	*	*	*	*		4	3	11
PAOZZ	6625-646-8765	GASKET NO-REF-DESIG COVER TO CASE 124-1050 (95325)	EA	1	*	*	*	*	*	*		5	1	9
PAHZZ	6625-646-8768	GASKET NO-REF-DESIG GLASS TO CLAMP 124-1090 (95325)	EA	1				*	*	*		5	1	15
PAOZZ	5355-619-9004	KNOB NO-REF-DESIG 124-1000 (95325)	EA	1	*	*	*	*	*	*		3	1	11
PAHZZ	6625-646-8766	GASKET NO-REF-DESIG GLASS TO COVER..... 124-1096 (95325)	EA	1				*	*	*		5	1	14
PAHHD	6625-618-1051	MULTIMETER, REPLACEMENT M101 124-4006 (95325)	EA	1				*	*	*		3	7-1	
PAHZZ	5315-652-0401	PIN 1 TRIGGER TO CASE 124-1083 (95325)	EA	1				*	*	*		3	2	2
PAHZZ	5940-315-3619	PIN, SPRING NO-REF-DESIG STEEL 79-032-156-0812 (72962)	EA	1				*	*	*		3	3	5
PAHZZ	5935-543-8910	RESISTOR, FIXED, WIRE WOUND R104 28.7 OHM PORM0.25%	EA	1				*	*	*		3	7-1	R104
PAHZZ	5905-543-8909	SM4-28R7C (96451) RESISTOR, FIXED WIRE WOUND R103 119.3 OHM PORM0.25%	EA	1				*	*	*		3	7-1	R103
PAHZZ	5905-543-8908	SM4-119R3C (96451) RESISTOR, FIXED, WIRE WOUND R106 180 OHM..... OHM PORM0.25%	EA	1				*	*	*		3	7-1	R106
PAHZZ	5905-543-8908	SM4-181C (96451) RESISTOR, FIXED, WIRE WOUND R107 180 OHM PORM0.25%	EA	1				*	*	*		3	7-1	R107
PAHZZ	5905-543-8438	SM4-181C (96451) RESISTOR, FIXED, WIRE WOUND R102 472 OHM PORM0.25%	EA	1				*	*	*		3	7-1	R102
PAHZZ	5905-543-8907	SM4-4720C (96451) RESISTOR, FIXED, WIRE WOUND R101 1380 OHM PORM0.25%	EA	1				*	*	*		3	7-1	R101
PAHZZ	5905-543-8437	SM4-1381C (96451)AMD RESISTOR, FIXED, WIRE WOUND R110 159 840 OHM PORM 0.25% XCS-6A159, 841C	EA					*	*	*		3	7-1	R110

SECTION II

TM11-6625-314-34P

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE		(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAYS DS MAINT ALLOWANCE			(7) 30 DAYS GS MAINT ALLOWANCE			(8) 1-YEAR ALW PER 100 EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(a)	(b)	(c)	(a)	(b)	(c)			(a) FIGURE NO.	(b) ITEM NO.
						1-20	21-50	51-100	1-20	21-50	51-100				
PAHZZ	5905-543-8909	CONTINUED RESISTOR, FIXED, WIRE WOUND R103 119.3		EA				*	*	*		3	7-1	R103	
PAHZZ	5905-543-8437	XCS6A159-841C (96451) RESISTOR, FIXED, WIRE WOUND R111 159		EA	1			*	*	*			7-1	R111	
PAHZZ	5905-543-8437	840 OHMS PORM0.25% XCS6A159-841C (96451).....AMD RESISTOR, FIXED, WIRE WOUND R111 159		EA	1			*	*	*		3	7-2	R111	
PAHZZ	5905-845-7230	840 OHMS PORM0.25% XCS6A159-841C (96451).....AME RESISTOR, FIXED, WIRE WOUND R110 79, 920		EA	1			*	*	*		3	7-2	R110	
PAHZZ	5905-845-7230	OHM PORM0.25% EE22-79921 (96451).....AME RESISTOR, FIXED, WIRE WOUND R113 79, 920		EA	1			*	*	*			7-2	R113	
PAHZZ	5905-657-0321	OHM PORM0.25% EE22-79921 (96451).....AME RESISTOR, ADJUSTABLE R105, R108 2.....		EA	1			*	*	*		3	7-1		
PAHZZ	5935-847-0965	SECTIONS 124-2016 (95325) RHEOSTAT 3 250 OHM TOTAL RESISTANCE.....		EA	2			*	*	*		3	5	1b	
PAHZZ	5905-847-0965	1172-2000 (95325).....AME RHEOSTAT 2 250 OHM TOTAL RESISTANCE.....		EA	2			*	*	*			5	1b	
PAHZZ	5905-552-1458	172-2000 (95325).....AME RESISTOR, THERMAL R109 100 OHM PORM10%.....		EA	1			*	*	*		3	7-1	R109	
PAOZZ	5305-619-2436	304B101 (10646) SCREW, MACHINE NO-REF-DESIG (PECULIAR).....		EA	1	*	*	*	*	*		5	3	6	
PAHZZ	5305-619-5025	124-1066 (95325) SCREW, SHOULDER NO-REF-DESIG.....		EA	1			*	*	*		5	2	16	
PAHZZ	5961-581-8366	124-1104 (95325) SEMICONDUCTOR DEVICE, DIODE CR101.....		EA	2			*	*	*		3	7-1	CR101	
PAHZZ	5961-581-8066	IN69A (80063) SEMICONDUCTOR DEVICE, DIODE CR102.....		EA	1			*	*	*			7-1	CR102	
PAHZZ	6625-646-8773	IN69A (80063) SUPPORT, TRIGGER, TONG NO-REF-DESIG.....		EA	1			*	*	*		3	4	7	
PAHZZ	5933-652-9412	124-1084 (95325) SWITCH, ROTARY S101.....		EA	1			*	*	*		5	7-1	S101	
PAHZZ	5940-617-0789	124-1082 (95325) TERMINAL LUG NO-REF-DESIG.....		EA	2			*	*	*		5	5	5	
PAHZZ	5940-643-6369	56-1028 (95325) TERMINAL LUG NO-REF-DESIG.....		EA	2			*	*	*		5	2	11	
PAHZZ	6625-646-8769	2914-02-00 (78189) TONG ASSEMBLED, FIXED NO-REF-DESIG.....		EA	1			*	*	*		3	3	12	
PAHHD	6625-646-8774	124-1026 (95325) TRIGGER ASSEMBLED 6.....		EA	1			*	*	*		3	2	1	
PAHHD	6625-646-8772	124-2003 (95325) TONG ASSEMBLED, TRIGGER NO-REF-DESIG.....		EA	1			*	*	*		3	2	4	
PAHZZ	5310-619-7054	124-1057 (95325) WASHER, FLAT NO-REF-DESIG.....		EA	1			*	*	*		5	3	7	
		124-1027 (95325)													

**INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER
CROSS-REFERENCE TO FIGURE AND ITEM NUMBER**

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-619-2436			5930-652-9412	7-1	S101
5305-619-5025			5935-654-9705		
5310-619-7054			5935-654-9722		
5940-315-3619			5940-617-0789		
5315-652-0401	6-1	1	5940-643-6369		
5355-619-9004			5950-655-0569	1-2	L101
5905-543-8437	7-1	R110	5961-581-8066	7-1	
5905-543-8437	7-1	R111	5975-281-0046		
5905-543-8437	7-2	R111	5999-230-1212		
5905-543-8438	7-1	R102	6145-542-6092		
5905-543-8907	7-1	R101	6625-618-1051	7-1	M101
5905-543-8908	7-1	R106	6625-646-8765		
5905-543-8908	7-1	R107	6625-646-8766		
5905-543-8909	7-1	R103	6625-646-8768		
5905-543-8910	7-1	R104	6625-646-8769		
5905-552-1458	7-1	R109	6625-646-8770		
5905-657-0321	6-1		6625-646-8772		
5905-845-7230	7-2	R110	6625-646-8773		
5905-845-7230	7-2	R113	6625-646-8774	1-1	6
5905-847-0965	6-1	2	6625-646-8777		
5905-847-0965	6-1	3			

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM. NO
EE22-79921	96451	7-2	R110	124-1048	95325		
EE22-79921	96451	7-2	R113	124-1050	95325		
RG58CU	80044			124-1057	95325		
SM4-119R3C	95451	7-1	R103	124-1066	95325		
SM4-1381C	96451	7-1	R101	124-1082	95325	7-1	S101
SM4-181C	96451	7-1	R106	124-1084	95325		
SM4-181C	96451	7-1	R107	124-1090	95325		
SM4-28R7C	96451	7-1	R104	124-1096	95325		
SM4-4720C	96451	7-1	R102	124-1104	95325		
XCS6A159-841C	96451	7-1	R110	124-2003	95325	1-1	6
XCS6A159-841C	96451	7-1	R111	124-2016	95325	6-1	
XCS6A159-841C	S6451	7-2	R111	124-4006	95325	7-1	M101
IN69A	80063	7-1		172-2000	95325	6-1	2
124-0163	95325	1-2	L101	172-2000	95325	6-1	3
124-1000	95325			2914-02-00	78189		
124-1001	95325			304B101	10646	7-1	R109
124-1013	95325			48C	76545		
124-1017	95325			49	02871		
124-1026	95325			56-1028	95325		
124-1027	95325			79-032-156-0812	72962		
124-1083	95325	6-1	1				

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

Distribution:

Active Army

USASA (2)
CNGB (1)
ACSC-E (2)
USAARENBD (2)
USAMB (10)
AMG (1)
CONARC (5)
ARADCOM (2)
ARADCOM Rgn (2)
OS Mai Comd (4)
LOGCOMDS (5)
MICOM (2)
TECOM (2)
USASTRATCOM (4)
HISA (ECOM) (18)
MDW(1)
Armies (2)
Corps (2)
Svc Colleges (2)
USASESS (5)
USAADS (2)
USAFAS (2)
USAARMS (2)
USAIS (2)
USAES (2)
USAINTS (3)
USACDCEC (5)

Instl (2) except
Ft Gordon (10)
Ft Huachuca (10)
WSMR (2)
Ft Carson (10)
Army Dep(2) except
LBAD (14)
SAAD (30)
TOAD (14)
LEAD (7)
ATAD (10)
Gen Dep (2)
Sig Sec Gen Dep (2)
Sig Dep (5)
Sig FLDMS (1)
USAERDAA (1)
USAERDAW (1)
MAAG (1)
USARMIS (1)
Ft Richardson (ECOM Ofc) (2)
WRAMC (1)
Units org under fol TOE:
(1 cy each)
11-158
29-134
29-136

NG: State AG (3)

USAR: None

For explanation of abbreviations used. see AR 310-50.

PIN: 017095-000