#### HAND RECEIPT

COVERING CONTENTS OF COMPONENTS OF END ITEM (COEI). BASIC ISSUE ITEMS (BII). AND ADDITIONAL AUTHORIZATION LIST (AAL)

**FOR** 

# TOPOGRAPHIC SUPPORT SYSTEM MOSAICKING/DRAFTING SECTION

MODEL ADC-TSS-10 NSN:6675-01-106-6815

This Manual Supersedes TM 5-6675-321-14-HR, 6 September 1983

## HEADQUARTERS, DEPARTMENT OF THE ARMY 3 SEPTEMBER 1985

Hand Receipt TM 5-6675-322-14-HR HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 3 September 1985

### HAND RECEIPT COVERING CONTENTS OF COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)

FOR

#### COLLECTION SECTION

#### TOPOGRAPHIC SUPPORT SYSTEM

NSN 6675-01-105-5760

#### REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual, directly to: Commander, U.S. Army Troop Support Command, Attn: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

#### TABLE OF CONTENTS

		Page
Section I.	Introduction	1
Section II.	Hand Receipt.	3

# HAND RECEIPT FOR CONTENTS OF COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST ITEMS FOR COLLECTION SECTION TOPOGRAPHIC SUPPORT SYSTEM NSN 6675-01-105-5760

#### Section I. INTRODUCTION

1. SCOPE. This publication provides overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to the Collection Section Topographic Support System.

#### 2. GENERAL.

- a. Section II is the overprinted DA Form 2062 which lists the line item entry for System/End Item and the content of COEI, BII, and AAL extracted from TM 5-6675-322-14. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-6675-322-14.
- b. The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.
- c. Local reproduction of the overprinted DA Form is authorized. However, organizations shall comply with local policies on the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.
- d. Additional copies of this publication may be requisitioned from: U.S. Army Adjutant General Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220. See DA Pamphlet 310-10-2 for proper requisitioning procedures.
- 3. EXPLANATION OF BLOCKS AND COLUMNS (DA FORM 2062). Refer to Chapter 2, AR 710-2. Additional information required to complete DA Form 2062 is listed below:
- a. Hand receipts shall identify the accounting requirement status of all line entries via the description column for each item: i.e., the first entry in the description column shall be the line item's Expendability (EXP)/Accounting Requirements Code (ARC), in parentheses, in front of the line item name. One of the following codes will apply:
- (N) For Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.

#### TM 5-6675-322-14-HR

(D) For Durable: Nonconsumable components of sets, kits, outfits, and

assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220, and 5280; and any other nonconsumable with a price in excess of \$50.00 not al-

ready "N".

(X) For Expendable: Items regardless of type classification or price and

which are consumed in use. Includes all class 9 repair parts. Items not consumed in use which cost \$50.00 or

less and not already "N" or "D".

b. Authorization documents are as follows:

- $\,$  (1) Components of End Item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).
- $\mbox{\fontfamily{\fontfamily{1}{100}}}$  Basic Issue Items (BII) are authorized by the applicable operator's manual.
- (3) Additional Authorization List (AAL) items are authorized by the appropriate MTOE, TDA, CTA, or JTA authorization documents.

TM 5-6675-322-14-HR

Section II. Hand Receipt

HAND RECEIPT/ANNEX NUMBER For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.	<b>VUMBER</b> FROM 34.M.710-2-1. SL.OG.	10						I	AND RI	ECEIPT	HAND RECEIPT NUMBER	œ
ANNEX CR END ITEM STOCK NUMBER ANNEX CAST OF TAXO	END ITEM DESCRIPTION	PUBLICATION NUMBER					ON DATE		QUANTITY	>		
08/5-501-10-5/88	Collection Section	TM 5-6675-322-14	+	$\mid$	$\dagger$		June 19	1985				
STOCK NUMBER  a.	ITEM DESCRIPTION b.		*	SEC	- <del>`</del> -	AUTH &		-	QUANTITY	"		
6675-01-105-5760	(N) TOPOGRAPHIC SUPPORT SYSTEM, COLLECTION SECTION	SECTION,	<del> </del>	+-	+ ;	+	+	<del> </del> -	-	+	╂—	
	MODEL ADC-TSS-11								ļ	<u> </u>	<del> </del>	
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	COMPONENTS OF END ITEM (COEI)						ļ	<u> </u>	<u> </u>	-	-	
4120-00-974-7206	(N) AIR CONDITIONER (B1349) MIL-A-52767				EA	2		ļ			-	
	(N) BASE, FILING CABINET (88915) \$4634			$-\frac{1}{1}$	EA							
2510-01-033-7967	(X) BODY, VAN TRAILER (97403) TL/MIL-B-13207	7			EA	-1						
	(N) BOX, VEHICULAR ACCESSORIES FOR CLEANER, VACUUM	VACUUM,			EA	-			_			
	(97403) 13225E3490											
7195-00-105-7941	(X) BULLETIN BOARD (79819) T5-2303				EA 1							
	(N) CABINET, WALL STORAGE, TECH MANUALS (97403)	403)			EA 1							
	13225E4648											
7125-00-764-5744	(N) CABINET, SUPPLY (81348) AA-C-1770, TYPE	1,			EA 2	2						
	CLASS I. SIZE 2								_			
7125-00-286-5259	(N) CABINET, WALL STORAGE (78252) MIL-C-40060/1	60/1		- 1	EA 7							1
	TYPE I											
* WHEN USED AS A.  HAND RECEIPT, enter Hand Receipt Annex Number  HAND RECEIPT FOR QUARTERS FURNITURE, enter  HAND RECEIPT ANNEX/COMPONENTS RECEIPT A	SED AS A. HAND RECEIPT, enter Hand Receipt Annex Number HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes HAND RECEIPT ANNEX/COMPONENTS REFEIPT enter Accounting Designments Code (ADD)										-	T
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STOCK NUMBER a.	ITEM DESCRIPTION  b.	SEC c. *	5 °	AUTH /	4	8	٥		ш	u.
	COEI CONTINUED									
6150-00-134-0847	(X) CABLE ASSEMBLY, POWER ELECTRICAL (90129)		EA	2						
	RC 1736-5, EXCE									
7420-01-139-7441	(X) CALCULATING MACHINE (51174) HP 32-E		Æ	H						
6720-00-602-5099	(N) CAMERA SET, STILL PICTURE (06400) CAMERA SET		SE	2						
	KS-99C									
6720-01-064-8071	(X) CAMERA SET, (INSTANT) STILL PICTURE (47904)		Æ	2						
	MODEL EE100									
7110-00-273-8791	(N) CHAIR, ROTARY (81348) AA-C-293, TYPE II CLASS 2		EA	9						
7110-00-281-4469	(X) CHAIR, ROTARY (81349) AA-C-295, CLASS 2, SIZE 2		EA	٣						
4940-01-118-1890	(X) CLEANER, ULTRASONIC (79819) 3069 USC 3		EA	-						
7910-00-205-3400	(N) CLEANER, VACUUM, ELECTRIC (51745) MVV 3400		EA							
7110-00-135-1996	(X) DESK, FLAT TOP (79819) HN-7303		EA	2						
7110-00-13206554	(X) DESK, TYPEWRITER (37296) AA-D-191, TYPE II,		EA							
	CLASS 2		_							
5815-01-067-4655	(D) FACSIMILE SET (12813) 705681-802		EA	1						
	(N) FILING ASSEMBLY, MAP AND PLAN (97403)		EA	2						
	13225E3138									
7110-00-920-9320	(N) FILING CABINET, SECURITY (54427) AA-F-358		EA	2						
7110-00-068-7736	(N) FILING CABINET, MAP AND PLAN SECURITY (81348)		EA	7						
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ITEM DESCRIPTION	h.	COEI CONTINUED	(N) LADDER, EXTENSION-FOLDING (39428) 8028T16	(X) LADDER, VEHICLE BOARDING (97403) 13225E3074	(N) LIFTING AND TIEDOWN DEVICE, TRANSPORTABLE	SHELTER, LEFT HAND (52555) 1390-4	(N) LIFTING AND TIEDOWN DEVICE, TRANSPORTABLE	SHELTER, RIGHT HAND (52555) 1390-3	(X) LIGHT, EMERGENCY (97403) 13225E3396	(X) MAGNIFIER, MONOCULAR, LAMP TYPE (15607)	KFM-1/B5D	(N) PIN REGISTER BOARD, CARTOGRAPHIC (25042)	0510247	(X) ROD, GROUND (82370) A104	(N) SEMITRAILER, FLATBED (97403) TL/MIL-B-13207,	PAR. 3.11, FIG. 12, TABLES III AND IV	(D) SLIDE HAMMER, GROUND ROD EMPLACEMENT (45225)	P74-144	(X) STEREOMETER PARALLAX BAR (00048) 122GE	(N) STEREOSCOPE, LENS-PRISM-MIRROR, AERIAL	PHOTOGRAPHIC INTERPRETATION (81349) MILS 20660	
STOCK NUMBER	a.		5440-01-152-7751	2540-01-133-9726						6650-00-477-9613		6675-01-175-5914		5975-00-878-3791	2330-01-076-4797		5120-01-013-1676		6675-01-173-8161	6675-00-641-3558		

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	CORI CONTINUED									+	
6675-01-203-1049	(N) TABLE, SCRIBING, TRACING, DRAFTING (33363)			EA	m						
	99-9933									+	
	(N) TOP, FILING CABINET (88915) T3445			ΕĀ	7	$\dashv$					
7520-00-224-7621	(X) TRIMMER, PAPER, DROP KNIFE (81349)			EA	7						
	GG-T-678-TYPE-1										
7430-00-663-9102	(N) TYPEWRITER, MANUAL (61634) S27			EA	7						
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ITEM DESCRIPTION	h.	BASIC ISSUE ITEMS (BII)	(X) BAR, EXTENSION, BEAM, COMPASS (33363) 55-1818	(X) BEAM, ATTACHMENT, DRAFTING COMPASS (79819)	31758	(X) BRUSH, DUSTING, DRAFTSMAN'S (79819) Q6-38NB-010	(X) BRUSH, LENS (81348) H-B-1654	(X) BRUSH, WIRE, SCRATCH (39428) 7187T2	(X) CASE, CARRYING (85968) NO. 5100-450A	(X) COMPASS, DRAFTING BEAM (79819) 3175	(X) COMPASS, DRAFTING BEAM (33363) 55-1806	(X) COMPASS, DRAFTING LEAD ATTACHMENT (79819)	3175LA	(X) COMPASS, MAGNETIC, UNMOUNTED (04016) 2VOYAGER	(X) COVER, WORKING SURFACE, BOARD DRAFTING (33363)	99-9970	(X) CURVE, DRAFTING, IRREGULAR, FRENCH TYPE	(79819) 8255-A	(X) CURVE, DRAFTING, IRREGULAR, SHIP TYPE (17866)	2217-107	(X) DIVIDERS, DRAFTING, PLAIN (33363) 55-1794	(X) DIVIDERS, DRAFTING, PLAIN (33363) 55-1770
STOCK NUMBER	a.		6675-01-114-7226			7920-00-291-5812	5920-00-205-0565	7920-00-291-5815	8465-00-521-3057	6675-00-459-8935	6675-00-904-1947	6675-01-071-8912		6605-00-553-8795			6675-00-250-2508		6675-00-250-2509		6675-00-641-3512	6675-00-240-2094

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	ITEM DESCRIPTION	BII CONTINUED	(x) DIVIDERS, DRAFTING, PROPORTIONAL (81349)	MIL-D-3467, TYPE 1	(x) DIVIDERS, EQUAL SPACING, 6.0 IN. (39428)	1995D11, 6 IN.	(X) DIVIDERS, EQUAL SPACING, 12.0 IN. (39428)	1995D12, 12 IN.	(N) EXTINGUISHER, FIRE, MONOBROMOTRIFLUOROMETHANE,	(81349) MIL-E-52031	(D) FIRST AID KIT, GENERAL PURPOSE (89875)	SCC-6545-IL	(X) GAGE, PRECIPITATION (7D560) 89048	(X) GREASE GUN (77335) 550	(X) JAR, SCREW CAP (05668) 6029-40	- 1	(X) KNIFE, CRAFISMAN'S (99941) NO. 3001	(X) LEAD REPOINTER, PENCIL (79819) 234	(X) LEAD REPOINTER, PENCIL (79819) 992WB	(N) LETTERING SET (33363) 61-2901	(X) LINE GUIDE, LETTERING, NONADJUSTABLE (17866).	2030B6
	STOCK NUMBER	i	6675-00-240-2049		6675-00-599-8880		6675-00-599-8879		4210-00-555-8837		6545-00-922-1200		6660-00-826-1655	4930-00-965-0288		7510-00-927-8685	5110-00-595-8400	7520-00-295-6170	7520-01-008-7640	6675-00-551-0785	6675-00-190-5854	

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	BII CONTINUED							-		
6650-00-255-8268	(X) MAGNIFIER, LINEN TESTER (22527) 12-064-10		EA	3						
6675-00-22-2542	(X) MEASURER, MAP (33363) 62-0300		EA	2						
6660-00-446-8707	(X) MEASURING STICK, PRECIPITATION GAGE (04024)		EA	-						
	5100-452									
6680-00-833-7010	(X) METER, AIR VELOCITY (7D560) 89001		EA							
6675-01-168-4229	(X) OPTICAL TREE MEASURER (04024) 43865		EA	1						
5340-00-682-1505	(X) PADLOCK SET (96906) MS 21313-52		SE	1				-		
6675-00-335-3582	(N) PLANE TABLE, SURVEYING (81349) MIL-P-10813,		EA							
	TYPE II, CLASS 2									
6675-00-183-6483	(X) PROTRACTOR, SEMICIRCULAR (79819) Q6-M276, 6 IN.		EA	1						
6675-00-222-2535	(X) PROTRACTOR, SEMICIRCULAR (73539) M276, 12 IN.		EA	3						
6685-01-136-2137	(N) PSYCHROMETER (23667) MODEL 566-3		EA	-						
	(N) RANGE FINDER, OPTICAL (73996) 8031-31		EA	-1						
6675-00-240-2056	(N) ROD, STADIA (7D560) 43478, 12 FT LG		EA	9						
5210-00-273-1965	(X) RULE, STEEL, MACHINIST'S (57163) CME 600		EA	-						
6675-00-641-5727	(X) SCALE, DRAFTING (33363) 56-3280		EA	3						
6675-00-238-3498	(X) SCALE, DRAFTING (79819) 3262, 12 IN.		EA	-						
6675-00-283-0035	(X) SCALE, PLOTTING (81348) GG-S-161		EA	m						
6675-00-283-0037	(X) SCALE, PLOTTING (81348) GG-S-161		EA	ω						
6675-00-283-0027	(X) SCALE, PLOTTING (81348) GG-S-161		EA	3						
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6675-00-283-0022	(X) SCALE, PLOTTING (81348) GG-S-161			EA	-						00/3-
5120-00-234-8913	(X) SCREWDRIVER, CROSS-TIP, SIZE 2 (81348)			Ē							<b>3</b> ωω
	GGG-S-121							_			1 1 1 1
5120-00-234-8910	(X) SCREWDRIVER, FLAT TIP (78525) 1006			EA	-					-	
5120-00-288-8739	(X) SCREWDRIVER SET, JEWELER'S (80244) GGG_S-1808			EA	-				-		Т
	TY1										
7510-00-224-7242	(X) SHIELD, ERASING (79819) 03-605			23	-						
6675-00-641-3561	(X) STEREOSCOPE, LENS, AERIAL PHOTOGRAPH			EA	m				_	_	
	INTERPRETATION (7D560) 51304, ABRAMS MODEL SV-1								+		
	(X) STRAIGHTEDGE (33363) 56-4150			EA	7		-				
	(X) STRAP ASSEMBLY, BUCKLE-END, 6.0 IN. (51745)			EA	10						
	1844-104										T
	(X) STRAP ASSEMBLY, TIP-END, 8.0 IN. (51745)			EA	7						
	1845-107										
	(X) STRAP ASSEMBLY, TIP-END, 36.0 IN. (51745)			EA	М		+		+		Ŧ
	1845-106										
	(X) STRAP ASSEMBLY, WEBBING, 30.00 IN. (98313)			EA	m		-				
	13225E3695-8						-		_		
	(X) STRAP ASSEMBLY, WEBBING, 35.00 IN. (98313)			EA							
	13225E3695-2					_	$\dashv$	$\dashv$		$\dashv$	
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		BII CONTINUED										
		(X) STRAP ASSEMBLY, WEBBING, 38.00 IN. (98313)			EA							
		13225E3695-7										
		(X) STRAP ASSEMBLY, WEBBING, 55.00 IN. (98313)			图	9						
		13225E3695-6										
		(X) STRAP ASSEMBLY, WEBBING, 29.00 IN. (98313)		·	EA	2						
L		13225E3695-13										
		(N) TANK, MINIATURE ROLL FILM (19139) 152-0873			EA	2						
	5210-00-221-1888	(D) TAPE, MEASURING (26741) C216D, 100 FT.			EA	7						
	6675-00-253-5501	(X) TEMPLATE, DRAFTING (79819) 830140			EA	4						
	5140-00-331-5496	(D) TOOL BOX, PORTABLE, 1 FIXED HINGED TRAY (75206)			EA	4						
!		cs19										
	5140-00-315-2747	(D) TOOL BOX, PORTABLE, 1 REMOVABLE TRAY (75206)			EA							
		CS16		·								
	6675-00-190-5863	(X) TRIANGLE, DRAFTING, 2 45 DEGS (33363) 57-0292,			EA	Э						
		10 IN.										
	6675-00-190-5867	(X) TRIANGLE, DRAFTING, 1 30 DEG, 1 60 DEG (33363)			EA	М						
		57-0220, 10 IN.								-		
	6675-00-190-5857	(X) TRIANGLE, DRAFTING, 2 45 DEGS (33363) 57-0292,			Æ	7						
		6 IN,										
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5120-00-224-7271	(X) VISE, PIN (18037) PVDE			EA	9						375 <u>-3</u>
5120-00-754-4612	(X) WATCHMAKER'S BLOWER (64959) R8950			EA	-	_					22-1
5120-00-264-3795	(X) WRENCH, ADJUSTABLE (80244) GGG-W-631 TY1 CL1					_				_	4-HF
TM 5-6675-322-14	OPERATOR'S ORGANIZATIONAL, DIRECT SUPPORT AND			EA				-			<b>₹</b>
	GENERAL SUPPORT, COLLECTION SECTION										
TM 5- 6675-322-24P	REPAIR PARTS & SPECIAL TOOLS LIST, COLLECTION			EA							
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6675-01-105-5760	(N) TOPOGRAPHIC SUPPORT SYSTEM, COLLECTION SYSTEM	LLECTION SYSTEM			EA							1 1
	MODEL ADC-TSS-11											
	ADDITIONAL AUTHORIZATION LIST (AAL)	AAL)						<b></b> .				•
5810-01-048-8167	(N) CASE, BATTERY Z-AIJ/TSEC				E A	-						Ī ·
5810-01-026-9618	(N) ELEC. TRANSFER KEYING DEVICE, KYK-13/TSEC	KYK-13/TSEC			EA	1			<u> </u>			I
6115-00-258-1622	(N) GEN. SET, DSL ENG TM, 60 KW				ΕA							
5810-01-026-9619	(N) NET CONTROL DEVICE NCD, KYK-15/TSEC	/TSEC			ΕĄ	1						
254324	(N) RADIO SET, AN/GRC- () -VI		-		EA	2						
6675-00-641-3632	(N) SKETCH SET, SURVEYING, MIL FIELD SKETCH	LD SKETCH			EA	1						
5810-00-434-3644	(N) SPEECH SECURITY EQUIPMENT ISEC/KY-57	/KY-57			EA							
5810-01-026-9620	(N) TAPE READER, GENERAL PURPOSE KOI-18/TSEC	01-18/TSEC			ΕA	1						
5805-00-543-0012	(N) TELEPHONE SET, TA-312/PT				EA	2						
6635-00-641-3643	(N) TEST SET, SOIL, (ARMY)				EA	1						
6635-00-542-1284	(N) TEST SET, SOIL TRAFFICABILITY				EA							
6675-00-641-5735	(N) TRANSIT, POCKET, CLINOMETER 0 TO 90 DEGREES	TO 90 DEGREES			EA	3						
* WHEN USED AS A: HAND RECEIPT, enter Hand Receipt Annex Number HAND RECEIPT FOR QUARTERS FURNITURE, enter HAND RECEIPT ANNEX/COMPONENTS RECEIPT, et	SED 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 $\frac{11}{}$ OF $\frac{12}{}$ PAGES.	111	)F 12	PAG	ES.

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By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR. General, United States Army Chief of Staff

Official:

DONALD J. DELANDRO Brigadier General, United States Army The Adjutant General

#### DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Organizational Maintenance Requirements for Topographic Support System, Collection Section (ADC-TSS-11) (TM 5-6675-322 Series)

\*U.S. GOVERNMENT PRINTING OFFICE: 1986-652-126/20073



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FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

PFC JOHN DOE

COA, 3 d ENGINEER BN

FI. LEGHARDWOOD, MO. 63108

DATE SENT

**PUBLICATION NUMBER** 

TM 5-6675-322-14-HR

PUBLICATION DATE
3 Sept 1985

PUBLICATION TITLE Hand Receipt for TSS,

Collection Section

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COMMANDER
U S ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MCTS

4300 GOODFELLOW BOULEVARD

ST. LOUIS, MO 63120-1798

#### The Metric System and Equivalents

#### Linear Measure

1 centimeter = 10 millimeters = .39 inch 1 decimeter = 10 centimeters = 3.94 inches 1 meter = 10 decimeters = 39.37 inches 1 dekameter = 10 meters = 32.8 feet 1 hectometer = 10 dekameters = 328.08 feet 1 kilometer = 10 hectometers = 3,280.8 feet

#### Weighte

1 centigram = 10 milligrams = .15 grain 1 decigram = 10 centigrams = 1.54 grains 1 gram = 10 decigram = .035 ounce 1 dekagram = 10 grams = .35 ounce 1 hectogram = 10 dekagrams = 3.52 ounces 1 kilogram = 10 hectograms = 2.2 pounds 1 quintal = 100 kilograms = 220.46 pounds 1 metric ton = 10 quintals = 1.1 short tons

#### Liquid Measure

1 centiliter = 10 milliters = .34 fl. ounce 1 deciliter = 10 centiliters = 3.38 fl. ounces 1 liter = 10 deciliters = 33.81 fl. ounces 1 dekaliter = 10 liters = 2.64 gallons 1 hectoliter = 10 dekaliters = 26.42 gallons 1 kiloliter = 10 hectoliters = 264.18 gallons

#### Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

#### Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

#### **Approximate Conversion Factors**

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	<b>29</b> ,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	. <b>9</b> 07	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

#### Temperature (Exact)

°F	Fahrenheit	5/9 (after	Celsius	$^{\circ}\mathrm{C}$
	temperature	subtracting 32)	temperature	