



DEPARTMENT OF THE NAVY  
HEADQUARTERS UNITED STATES MARINE CORPS  
WASHINGTON, DC 20380-0001

MCO 2040.14  
C2CT  
7 Jan 92

MARINE CORPS ORDER 2040.14

From: Commandant of the Marine Corps  
To: Distribution List

Subj: MATERIEL FIELDING PLAN (MFP) FOR THE DIGITAL SUBSCRIBER  
VOICE TERMINAL, KY-68 AND THE AUXILIARY POWER SUPPLY,  
HYP-71

Encl: (1) Materiel Fielding Plan for the Digital Subscriber  
Voice Terminal, KY-68 and the Auxiliary Power  
Supply, HYP-71

1. Purpose. To provide advance logistics information and instructions concerning the fielding and support of the Digital Subscriber Voice Terminal, KY-68 and its Auxiliary Power Supply HYP-71 and to provide instructions for placing this equipment in service.

2. Information. Within the Marine Corps, the KY-68 will operate with a variety of systems, primarily the AN/TTC-42 and SB-3865 circuit switches. The KY-68 will be utilized at all levels of command from the Marine Expeditionary Force to the battalion/squadron level.

3. Action. All required actions are discussed within the enclosure.

4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

A handwritten signature in black ink, reading "R.A. Tiebout".

R. A. TIEBOUT  
By direction

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MATERIEL FIELDING PLAN FOR THE DIGITAL SUBSCRIBER VOICE  
TERMINAL, KY-68 AND THE AUXILIARY POWER SUPPLY, HYP-71

1. Introduction

a. Source of Requirement. The KY-68 is an auxiliary development of the TRI-TAC Switch Program. The requirement was documented and validated by Joint Operational Requirement (JOR) SM-475-74 of 10 September 1974 for tactical unit level switches.

b. Points of Contact

<u>NAME</u>	<u>TITLE</u>	<u>COMMAND</u>	<u>TELEPHONE</u>
Major H.G. Smith	Equipment Sponsor	HQMC (CCT)	AV 223-3138 Coml (703) 693-3138
MGySgt L.W. Conklin	Project Officer	MCRDAC (C2CT)	AV 278-5845/6 Coml (703) 640-5845
Mr. J. Stewart	NSA Program Manager	NSA (V222)	AV 235-0111 ext 6496 Coml (301) 859-6496
Mr. Earl Mangum	Equipment Specialist	NSA (V222)	Same as above
Capt. J.R. Wall	SPAWAR Program Manager	SPAWAR (PMW 151)	AV 332-8867 Coml (703) 602-8867
Mr. E.D. Beier	ILS Manager	SPAWAR (PMW 151-22J)	AV 332-7451 Coml (703) 602-7451
Mr. L. Harris	Equipment Specialist	NESSEC (0231K)	AV 292-0546 Coml (202) 282-0546
Mr. J. Miller	Equipment & Resources Dept Head	DCMS (T60)	AV 292-0695 Coml (202) 282-0695
Mrs. Nancy Shenk	Inventory Manager	SPCC (05311E)	AV 430-5834 Coml (717) 790-5834

c. Fielding Methodology

(1) General Fielding Plan

(a) The KY-68 and HYP-71 will be fielded horizontally to all units authorized to receive them. Specific allowances and the projected delivery schedule are shown in appendix A. The schedule of major program events yet to occur

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are shown in appendix B. Anticipated shortages of equipment and support items are discussed in appendix C.

(b) End item exchange pool assets will be provided to the Operational Readiness Float (ORF) established at the Force Service Support Group (FSSG) within each Marine Expeditionary Force (MEF) and at the Brigade Service Support Group (BSSG) within the 1st Marine Expeditionary Brigade (MEB). These assets will be reflected under the respective ORF table of equipment (T/E) but will be controlled by the respective Force Logistic Support Cryptographic Facility (FLSCF) within the FSSG and the Support Cryptographic Site (SCS) within the BSSG, as per MCO P4400.150.

(2) Method of Fielding. The KY-68 and HYP-71 will be force-fed by the Director, Communication Security Material System (DCMS), as directed by the Commandant of the Marine Corps (CMC) (CCT), to the appropriate organizations.

d. Replaced Systems/Equipment. The KY-68 will not replace any currently fielded communication security (COMSEC) equipment.

## 2. System Description

### a. Administrative Information

#### (1) KY-68

(a) Nomenclature: Digital Subscriber Voice Terminal (DSVT), KY-68

(b) TAMCN: A8083 VII G

(c) Stores Account Code (SAC): 3

(d) National Stock Number (NSN):  
5810-01-082-8404

(e) Unit of Issue: EA

(f) Unit Cost: \$4,000.40

(g) Support Cost (per KY-68 annually): \$50.00

(h) Petroleum, Oil, Lubricants (POL): N/A

(i) Equipment Density: Normal

(j) Readiness Reporting: No

(k) ID Number: 10037A

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## (2) HYP-71

- (a) Nomenclature: Auxiliary Power Supply HYP-71
- (b) TAMCN: A8008 VII GP
- (c) Stores Account Code (SAC): 3
- (d) National Stock Number (NSN): 5810-01-082-8412
- (e) Unit of Issue: EA
- (f) Unit Cost: \$1075.20
- (g) Support Cost (per HYP-71 annually): \$50.00
- (h) Petroleum, Oil, Lubricants (POL): N/A
- (i) Equipment Density: Normal
- (j) Readiness Reporting: No

(k) ID Number: (Information not available at time of publication. Estimated availability is 1st quarter FY92. Point of contact for this info: MGySgt Conklin, MCRDAC (C2CT), (DSN) 278-5845).

b. Physical Characteristics(1) KY-68

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
Length:	13 inches	17.06 inches
Width:	10 inches	14 inches
Height:	7 inches	11 inches
Square Feet:	1 sq ft	1.66 sq ft
Cubic Feet:	.6 cu ft	1.52 cu ft
Weight:	14 lbs	18 lbs
Stowage:	.6 cu ft	1.52 cu ft

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Power Requirements are as follows:

(a) The KY-68 requires 21 to 56 VDC. It can be powered by an HYP-71 Auxiliary Power Supply for stand alone application or by the common battery of the switch the KY-68 is operating with.

(b) A 6.5 volt mercuric oxide BA-1372/U battery, NSN 6135-00-801-3493, is used in the KY-68 for cryptovvariable memory retention in the absence of primary input power.

1 Mercury and its organic and inorganic compounds may be toxic when ingested, inhaled, or absorbed through the skin. The BA-1372/U should not be subjected to case rupture.

2 When exposed to excessive heat, mercury batteries are likely to explode and spread mercury contamination. Incineration or a short circuit between the battery terminals may generate sufficient heat to cause an explosion. Care should be exercised in using mercury batteries to prevent an accidental short circuit.

3 The BA-1372/U shall not be disposed of in any body of water, including oceans.

4 All expended/unserviceable BA-1372/U batteries will be turned to the area Defense Property Disposal Office (DPDO) for mercury reclamation.

(2) HYP-71. The HYP-71 does not have a separate transit case but is built in its own transit case assembly that protects it from shock. Its operational and storage/shipping configurations are the same and are given below.

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
Length:	9.125 in	9.125 in
Width:	8.75 in	8.75
Height:	6 in	6 in
Square Feet:	.555 sq ft	.555 sq ft
Cubic Feet:	.277 cu ft	.277 cu ft
Weight:	11 lbs	11 lbs
Stowage:	.277 cu ft	.277 cu ft

Power Requirements: Input power to the HYP-71 must be 115 VAC, 45 to 66 Hz or 380 to 420 Hz, single phase; or 220 VAC, 45 to 66 Hz, single phase.

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c. Operational Characteristics

(1) The KY-68 is a ruggedized, self-contained, secure telephone terminal, which transmits and receives enciphered digital and signaling information, and performs on-line encryption and decryption of these signals. It operates as a full-duplex or half-duplex voice/data subscriber terminal and contains the audio processing, signaling and cryptographic functions necessary to provide secure and non-secure access to switched networks and secure access to non-switched networks. The KY-68 can be operated with a COMSEC master switch, COMSEC slave switch, or it can be operated as a sole user without intervening devices.

(2) The HYP-71 is the power supply for the KY-68 in stand alone applications when the KY-68 is not used within one of the communication systems in paragraph 2d(3) following. It comes in its own transit case with all cables necessary for its own input power and the output power to the KY-68.

d. Associated Systems/Equipment

(1) The KY-68 is keyed electronically with a General Purpose Tape Reader KOI-18, TAMCN A8024, NSN 5810-01-026-9620; Electronic Transfer Device KYK-13, TAMCN A8025, NSN 5810-01-026-9618; Net Control Device KYX-15, TAMCN A8026, NSN 5810-00-026-9619; Net Control Device KYX-15A, TAMCN A8026, NSN 5810-01-095-1312; or a (planned) Data Transfer Device AN/CYZ-10, TAMCN A8023, NSN 5810-01-239-6724. These equipments are commonly referred to as fill devices.

(2) The above fill devices should be used with the Fill Cable (ON512424), NSN 5810-01-066-7587, to prevent damage to them or the KY-68. The Fill Cable was fielded with the above fill devices.

(3) The KY-68 is employed in the following tactical systems (the quantity of KY-68's per system is given in parentheses).

<u>TAMCN</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>NSN</u>
A0248	Central Office, Telephone, Automatic AN/TTC-42 (V)	(45)	5805-01-188-3993
A0258	Communications Central AN/MS-63A	(2)	5895-01-220-0321
A0845	Intelligence Analysis Center (IAC) AN/TYQ-19 (V) 2	(3)	7010-01-150-0360
A2508	Switching Unit, Telephone, Automatic (SB-3865)	(15)	5805-01-187-9399

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A2525 Tactical Air Operations (1) 5895-01-127-8134  
Module (TAOM) AN/TYQ-23(V)1

(4) The KY-68 will be employed in the following planned tactical systems (the quantity of KY-68's per system is given in parentheses):

<u>TAMCN</u>	<u>NOMENCLATURE</u>	<u>QTY</u>
A0013	Advanced Tactical Air Command Central (ATACC)	(4)
A0655	AN/TSC-96A (V)	(1)
A0884	Joint Service Imagery Processor System (JSIPS)	(4)
A0885	Joint Tactical Information Distribution System Module (JTIDS Module)	(1)

### 3. Logistic Support

#### a. Maintenance Support

(1) Organizational Maintenance. Maintenance performed at the organizational level will be preventive in nature and will include the cleaning, inspecting, and operational testing of the KY-68 and the HYP-71. The battery in the KY-68 is replaced at the organizational level. Defective KY-68 and HYP-71 end items will be evacuated, as per CMS-4L, MCO P4790.2, UM 4790-5 and TM 4700-15/1F, to the supporting FLSCF or SCS, as appropriate, for corrective maintenance.

(2) Intermediate Maintenance. Intermediate level maintenance on the KY-68 and HYP-71 will be performed by formally trained COMSEC technicians at the FLSCF's and at the SCS's designated to receive the TSEC/ST-34 Intermediate Level Test Set (ILTS). Those organizations designated to receive the TSEC/ST-34 are shown in appendix D.

(a) Maintenance performed on the KY-68 at the intermediate level, using the TSEC/ST-34, will be limited to testing to determine if the KY-68 is defective and replacement of defective mechanical parts, fuses or the end item. Maintenance performed on the HYP-71 at the intermediate level will be limited to replacement of the battery, interconnecting cables or the end item.

(b) End items requiring repair beyond the intermediate level will be evacuated, through the BSSG-1 SCS or the FLSCF, to the supporting Cryptographic Repair Facility (CRF) listed in paragraph 3a(3) following, per CMS-4L. The Marine Corps Communications Electronics School (MCCES) and Communication Officer School (COS) MCCDC are also authorized to evacuate end items to the CRF for repair.

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(c) COMSEC technicians at the intermediate level are authorized to fault isolate to the printed wiring assembly (PWA) level and to replace defective KY-68 PWA's, but this will not be necessary because sufficient end items will be available for exchange and PWA spares kits were not procured.

(d) The BSSG-1 SCS and the FLSCF's will maintain exchange pool assets. Exchange pool assets are serviceable KY-68 and HYP-71 end items which are available as replacement items for defective equipment. Exchange pool assets will be managed and operated similar to the ORF (MCO P4400.150 refers) and as per CMS-4L. Specific guidance is the responsibility of the FMF commanders since they hold the equipment and are best aware of the operational requirements they support. To ensure that adequate stocks of KY-68's and HYP-71's are maintained in the exchange pool, the following procedures apply:

1 When the ORF assets are awaiting repair action at the CRF, the maintenance officer may request status of the repair action via naval message to the respective CRF with information copies to NAVLEXSECCEN Washington, DC (240) and the DCMS (T60). If the response indicates that the estimated delivery date (EDD) from the CRF is greater than 180-days or the KY-68 or HYP-71 has been at the CRF for more than 180-days, request assistance from the DCMS (T60) via naval message. In the message include the equipment short title (nomenclature as shown in Communication Security Material System (CMS) records), serial number and owning unit. This request for status of repair action is not mandatory but can be used at the discretion of the maintenance officer.

2 When the CRF has determined that the KY-68 or HYP-71 is not repairable, the FLSCF/BSSG-1 SCS maintenance officer should request disposition instructions and a replacement from the DCMS (T60) via naval message. This message should include the equipment short title, serial number and owning unit.

(3) Depot Maintenance. CRF's authorized to perform depot level maintenance are located at the Naval Electronic Systems Engineering Center, San Diego, CA and Naval Shipyard Norfolk, VA.

b. Contractor Support Requirements

(1) Depot Support. None.

(2) Interim Contractor Support. None.

c. Manpower, Personnel and Training

(1) Personnel Requirements. No additional personnel or manpower requirements are anticipated.

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(a) Operator. A specific Military Occupational Specialty (MOS) will not be designated solely for the KY-68 operator. Those personnel designated to operate/maintain the tactical systems listed in preceding paragraphs 2d(3) and 2d(4) will assume responsibility for operating the KY-68.

(b) Maintenance. Maintenance personnel with MOS 2881 (COMSEC Equipment Technician) located at the FLSCF's and SCS's will perform intermediate maintenance on the KY-68 and HYP-71.

(c) The annual organizational and intermediate maintenance manpower requirements per KY-68 are as follows:

1 Organizational is predicted at .05124 man-hours.

2 Intermediate is predicted at .10248 man-hours.

(2) Training Requirements

(a) Operator Training

1 Formal Training. No specific MOS has been designated for the KY-68 operator. The KY-68 has application to the operator or maintenance MOS's associated with the tactical systems listed in paragraphs 2d(3) and 2d(4), preceding. There are no formal school operator training requirements other than those listed below.

a KY-68 operator training is currently being conducted at Keesler Air Force Base, MS, as an element of the following courses:

<u>COURSE TITLE</u>	<u>COURSE NUMBER</u>	<u>FOR MOS</u>
AN/TTC-42 Call Service Attendant	E3AZR49151 007	2512
SB-3865 Call Service Attendant	E3AZR49151 009	2512
AN/TTC-42 Operator/Maintainer	E3AZR49151 006	2515
SB-3865 Installer/Maintainer	E3AZR49151 008	2514
AN/TTC-42 Intermediate Maintainer	E3AZR30554 020	2822
SB-3865 Intermediate Maintainer	E3AZR30554 048	2811

b Communications Officers School (COS), MCCDC, Quantico, VA will conduct orientation/familiarization of the KY-68.

2 Unit Training. Operator training at the unit level will consist of on the job training using the individual training standards (when published) and the operator's manuals available to each unit receiving the KY-68 or HYP-71. Each command will be responsible for maintaining an adequate level of qualified operators.

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(b) Maintenance Training

1 Formal Training. Intermediate maintenance training for the KY-68 is currently being taught at the U.S. Army Signal School, Ft Gordon, GA for MOS 2881 (COMSEC Maintenance Technician), course number 160-F21 (TRI-TAC COMSEC Limited Maintenance Course) and course number 160-F27 (TRI-TAC COMSEC Full Maintenance Course).

2 Unit Training. On-the-job training will supplement and reinforce the formal training received by maintenance personnel. Each command will be responsible for maintaining the proficiency and certification of their maintenance personnel.

(3) Training Support Items. There are no new training support items required.

d. Supply Support

(1) Consumable repair parts will be obtained from the supply system per MCO P4790.2, UM 4790-5, UM 440.124 and MCO P4400.150.

(2) Limited Maintenance Spares Kits (RYQ-68) were not procured for the KY-68. Sufficient end items will be available for exchange at the FLSCF's and BSSG SCS.

e. Support Equipment

(1) Special Tools. There are no special tools required at the organizational or intermediate maintenance levels to maintain the KY-68 or HYP-71.

(2) Common Tools

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
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H7920	TK, Electronic Maintenance MK-2569/P
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(3) Special Purpose Test Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance. None.

(c) Depot Maintenance (Navy)

<u>TAMCN</u>	<u>Nomenclature</u>
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N/A	ST-51
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(4) General Purpose Test Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
A8094	TSEC/ST-34 Intermediate Level Test Set
H2336	Multimeter, Hand-held Digital

(5) Test Program Sets. None.

(6) Other Support Equipment

(a) Organizational Maintenance. None.

(b) Intermediate Maintenance

<u>TAMCN</u>	<u>Nomenclature</u>
A8059	KG-82 Loop Key Generator (used with TSEC/ST-34 to test KY-68) (Appropriate key fill device)
A8024	KOI-18 General Purpose Tape Reader
A8025	KYK-13 Electronic Transfer Device
A8026	KYX-15 or KYX-15A Net Control Device
A8023	AN/CYZ-10 Data Transfer Device

f. Technical Publications. The following technical publications are pertinent to the operation/maintenance of the KY-68 or HYP-71.

<u>TECH PUB NUMBER</u>	<u>PUB TITLE</u>	<u>PCN</u>
TM 11-5810-329-10	Operator's Manual, KY-68 and HYP-71	35158582100
TM 11-5810-329-23	Organizational and DS Maintenance for KY-68 and HYP-71	35158582200
TM 11-5810-329-24P	Organizational, DS and GS Repair Parts and Special Tools List, KY-68 and HYP-71	35158581900
KA0 193A/TSEC	Guidelines for the Use and Operation of TRI-TAC COMSEC Equipment (Confidential)	N/A
KAM 403/TSEC	KY-68 Limited Maintenance Manual (Confidential)	N/A

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KAM-404/TSEC	KY-68 Full Maintenance Manual (Secret)	N/A
TM 11-5810-333-13	Operator, Organizational and DS Maintenance Manual for TSEC/ST-34	35158582700
TM 11-5810-333-34P	DS and GS Repair Parts and Special Tools List for TSEC/ST-34	35158582800
SAM 67B	Operational/Limited Maintenance Manual for TSEC/ST-34 (FOUO)	N/A
SAM 68A	Full Maintenance Manual for TSEC/ST-34 (FOUO)	N/A

(1) The KAM's and SAM's are obtained through the DCMS per CMS-4L.

(2) The above TM's will be force-fed to the appropriate organizations. Their distribution is shown in appendix E. Requisition additional and replacement technical manuals per MCO P4400.84.

g. Computer Resources Support. The National Security Agency (NSA) is responsible for the lifecycle software configuration management and support.

h. Facilities

(1) Existing Facilities. All existing facilities should be sufficient for the operation, maintenance, training, supply and storage of the KY-68 and HYP-71.

(2) New Facilities. New facilities are not required.

(3) Interim Facilities. Interim facilities are not required.

i. Packaging, Handling, Storage and Transportation

(1) Classification and Accountability

(a) Classification. Unkeyed KY-68's have been designated as Controlled Cryptographic Items (CCI). CCI's are unclassified but remain under the control of the DCMS for central accounting purposes. Keyed KY-68's assume a classification level equal to that of the keying material and will be safeguarded per the provisions of CSP-1A. The HYP-71 and ST-34 are unclassified.

(b) Accountability. The KY-68 is assigned accountability legend code AL-5 in the CMS and is accounted for to the DCMS by serial number per CMS-4L. The HYP-71 is assigned accountability legend code AL-4 and is locally

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accountable after receipt. The TSEC/ST-34 is assigned accountability legend code AL-1 in the CMS and is accounted for to the DCMS by serial number per CMS-4L. Additionally, owning units must report their on hand quantities of the KY-68, HYP-71 and TSEC/ST-34 in the Marine Corps supply system per MCO P4400.150 and MCO P4400.82.

(2) Packaging. Packaging of the KY-68 and HYP-71 will be per MIL-E-17555, level "A" packaging.

(3) Handling. A security clearance is not required for viewing of or access to the unkeyed KY-68's. However, access shall be restricted to U.S. citizens whose duties require such access. Access may also be granted to permanently admitted resident aliens, who are either U.S. Government civilian employees, active duty military or Reserve members of the U.S. Armed Forces, whose duties require access.

(4) Storage. The unkeyed KY-68's must be stored in a manner that affords a level of protection at least equal to that normally provided to high value or sensitive material. Classified keying materials, classified supporting documents and keyed KY-68's must be stored per the procedures outlined in CSP-1A.

(5) Transportation. The KY-68, as a CCI, must be transported only by means that provide continuous accountability, traceability, and protection against losses and unauthorized access while in transit.

(a) Authorized Transportation Media

- 1 Officially designated command couriers.
- 2 Authorized contractor courier (U.S. citizenship required).
- 3 The U.S. Postal Service registered mail, provided it does not at any time pass out of U.S. control and does not pass through a foreign postal system or any foreign inspector.
- 4 U.S. military or military-contractor air service (e.g., MAC, LOGAIR, QUICKTRANS), provided the requirements for Department of Defense Constant Surveillance Service (DoD CSS) are observed.
- 5 U.S. Diplomatic Courier Service. Provides only emergency or last resort CCI transport within the Continental United States (CONUS).
- 6 Defense Courier Service for outside of CONUS (only when no other means of secure transportation is available).

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7 In foreign countries where there is a significant U.S. military presence (two or more military bases where U.S. military personnel are stationed), foreign nationals who are employed by the U.S. Government may transport CCI material, provided there is a signature record that provides continuous accountability for custody of the shipment from pick-up to ultimate destination and, (1) there is a constant U.S. presence (e.g., a U.S. person [U.S. citizen or permanently admitted resident aliens, who are either U.S. Government civilian employees, active duty military or Reserve members of the U.S. Armed Forces] accompanies a foreign driver in couriating the material) or (2) the material is contained in a closed vehicle or shipping container (e.g., conex, dromedary) which is locked, and which has a shipping seal that will prevent undetected access to the enclosed material.

8 Commercial carriers (only within the U.S., its territories and possessions) providing DoD CSS. If the commercial carrier cannot provide DoD CSS but can warrant in writing to the shipping activity that it can satisfy all of the following requirements, the carrier may transport CCI equipment. The carrier must:

a Be a firm incorporated in the U.S. that provides door-to-door service.

b Guarantee delivery within a reasonable number of days based on the distance to be traveled.

c Have a means of tracking individual packages within its system to the extent that should a package become lost, the carrier can, within 24 hours following notification, provide information regarding the package's last known location.

d Guarantee the integrity of the vehicle's contents at all times.

e Guarantee that the package will be stored in a security cage should it become necessary for the carrier to make a prolonged stop at a carrier terminal.

f Utilize a signature/tally record that accurately reflects a continuous chain of accountability and custody by each individual who assumes responsibility for the package/shipment while it is in transit; or utilize an electronic tracking system that reflects a chain of accountability and custody similar to that provided by a manually prepared signature/tally record. Positive identification of the actual recipient of the material at the final destination must be indicated. A hard-copy printout shall be provided as proof of service and the printout must reflect those points during transit where electronic tracking of the package/shipment occurred.

(b) Shipment Procedures

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1 The shipping activity shall provide the intended recipient with timely notification of a scheduled shipment. Notification will be provided at least 24 hours prior to the estimated delivery date.

2 When CCI equipment is transported by commercial carrier the shipping documents shall provide an emergency telephone number(s) of an individual authorized to receipt for the equipment in the event the carrier attempts to make delivery during other than normal working hours.

3 The intended recipient shall notify the shipping activity if a shipment has not been received within 5 working days following the expected delivery date. The shipping activity will initiate tracer action on the shipment. Shipments that are determined to be lost in transit or show signs of tampering/unauthorized access will be reported to the Director, National Security Agency (Attn: S213). Any other incident involving equipment that is improperly shipped or handled shall be reported per shipment discrepancy reporting procedures.

4 A completed SF-153 (COMSEC Material Report) must accompany each item during any transfer of the KY-68.

5 CCI material will be conspicuously marked with large letters, "CCI", on the outside container.

6 Shipping documents must contain instructions for delivery of the material to the COMSEC custodian. Inside containers will be marked for shipment with the statement "Deliver unopened to COMSEC custodian."

7 Shipment of CCI material must always be made with a DD-1149 (Requisition and Invoice/Shipping Document) attached to the outside container. Each DD-1149 will be conspicuously marked "Request ship via Department of Defense Constant Surveillance Service only."

8 The KY-68 must be zeroized prior to shipment and will be shipped separately from its keying material.

j. Warranties. None.

4. Actions Required To Place Equipment In Service

a. Gaining Command

(1) Actions. Upon receipt, the KY-68 should be placed on administrative deadline until the CG Fleet Marine Force (FMF) Pacific, CG FMF Atlantic or 4th Division/Wing Team commanders have given authorization to place the equipment in service, as per the requirements of MCO P4105.3.

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(2) Material Defects Reporting. When end items received are defective report them per CMS-4L and MCO 4855.10.

(3) Retrograde of Existing Equipment. Not applicable.

(4) Obtaining Supporting Consumables. Obtain supporting consumables per MCO P4790.2, UM 4790-5, UM 4400.124 and MCO P4400.150.

(5) Security Required for the System. Security is discussed in paragraph 3i of this Order and in CMS-4L and CSP-1A.

(6) Controlled Item Reporting. The KY-68, HYP-71 and TSEC/ST-34 are controlled items and owning units must report on hand quantities in the Marine Corps supply system per MCO P4400.150 and MCO P4400.82.

b. MCLB, Albany. None.

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## LIST OF ALLOWANCES AND DELIVERY SCHEDULE

1. Allowances. The T/E allowances for the KY-68 and HYP-71 are given below.

2. Delivery Schedule

a. General. COMSEC equipment is not currently held on MPS, therefore, deliveries of the KY-68/HYP-71 to MPS are not anticipated to occur at this time. These equipments will be held at DCMS pending authorization to place COMSEC equipment on MPS.

b. HYP-71. The HYP-71 delivery schedule is not firm at this time but deliveries are anticipated to commence FY93.

c. KY-68. KY-68 deliveries will coincide with the fielding of the tactical systems in which the KY-68 is employed. The planned delivery schedule for the KY-68 is shown below.

T/E #	UNIT TITLE	TOTAL UNIT		PLANNED KY-68 DELIVERIES								
		T/E	ALLOWANCES	FY91Qtr				FY92Qtr				FY
		KY-68/HYP-71		1	2	3	4	1	2	3	4	93/94
7011	MCLB Barstow (M/F)	418	84									X
7014	MCLB Albany (M/F)	452	90									X
7434	COS T&ECntr MCCDC	90	18					(56 previously delivered)				
7442	MCTSSA CamPen	58	12					(70 previously delivered)				
7720	MCCES 29 Palms	51	10					(110 previously delivered)				
A8633	MACS 1/MTDS 3d MAW	66	13			X						X
B1131	HqCo InfRegt 1stMEB	45	9				X					
B2309	HqBtry DSBn(T) 1stMEB	15	3				X					
B3331	MaintCo BSSG-1 1stMEB	4	2				X					
B4885	CommCo CommBn 3dSRIG 1stMEB	92	18			X		X				
B8633	MACS 2/MTDS 1st MEB	66	13			X					X	X
B8703	MWSS (RW) 1stMEB	45	9			X						
H1121	HqCo InfRegt/MPS 1	45	9									
H2209	HqBtry ArtyBn/MPS 1	15	3									
H3213	Det CommCo H&SBn/MPS 1	30	6									
H3241	Det H&SCo LanSptBn/MPS 1	15	3									
H4022	Det Commco CommBn/MPS 1	75	15									
H4024	Det CommSptCo CommBn/MPS 1	15	3									
H8612	Det MWCS MACG/MPS 1	30	6									
H8618	Det H&SBtry LAAMBn/MPS 1	15	3									
H8632	MACS MACG/MPS 1	15	3									
H8702	Det MWSS (FW)/MPS 1	15	3									
I1121	HqCo Infregt/MPS 2	45	9									
I2209	HqBtry ArtyBn/MPS 2	15	3									
I3213	Det CommCo H&SBn/MPS 2	30	6									
I3241	Det H&SCo LanSptBn/MPS 2	15	3									
I4022	Det CommCo CommBn/MPS 2	75	15									

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T/E #	UNIT TITLE	TOTAL UNIT T/E ALLOWANCES		PLANNED KY-68 DELIVERIES											
		KY-68/HYP-71		FY91Qtr				FY92Qtr				FY			
				1	2	3	4	1	2	3	4	93/94			
I4024	Det CommSptCo CommBn/MPS 2	15	3												
I8612	Det MWCS MACG/MPS 2	30	6												
I8618	Det H&SBtry LAAMBn/MPS 2	15	3												
I8632	MACS MACG/MPS 2	15	3												
I8702	Det MWSS (FW)/MPS 2	15	3												
J1121	HqCo Infregt/MPS 3	45	9												
J2209	HqBtry ArtyBn/MPS 3	15	3												
J3213	Det CommCo H&SBn/MPS 3	30	6												
J3241	Det H&SCo LanSptBn/MPS 3	15	3												
J4022	Det CommCo CommBn/MPS 3	75	15												
J4024	Det CommSptCo CommBn/MPS 3	15	3												
J8612	Det MWCS MACG/MPS 3	30	6												
J8618	Det H&SBtry LAAMBn/MPS 3	15	3												
J8632	MACS MACG/MPS 3	15	3												
J8702	Det MWSS (FW)/MPS 3	15	3												
M4001	ORF, 1stFSSG	110	20								X				
M4002	ORF, 2d FSSG	110	20								X				
M4003	ORF, 3d FSSG	110	20								X				
M4004	ORF, 4thFSSG	110	20								X				
N1015	CommCo HqBn 1stMarDiv	180	36			X									
N1025	CommCo HqBn 2dMarDiv	180	36			X									
N1035	CommCo HqBn 3dMarDiv	180	36					X							
N1045	CommCo HqBn 4thMarDiv	180	36					X							
N1111	HqCo InfRegt 1stMarDiv	45	9			X									
N1111	HqCo InfRegt 1stMarDiv	45	9			X									
N1121	HqCo InfRegt 2dMarDiv	45	9			X									
N1121	HqCo InfRegt 2dMarDiv	45	9			X									
N1131	HqCo InfRegt 3dMarDiv	45	9					X							
N1141	HqCo InfRegt 4thMarDiv	45	9					X							
N1141	HqCo InfRegt 4thMarDiv	45	9					X							
N1141	HqCo InfRegt 4thMarDiv	45	9					X							
N1166	HqCo InfRegt (4Bn) 1 MarDiv	45	9			X									
N1176	HqCo InfRegt (4Bn) 2dMarDiv	45	9			X									
N1261	HqBtry ArtyRegt 4thMarDiv	45	9					X							
N1271	HqBtry 155 (SP)														
	GSBn 4MarDiv	15	3					X							
N1271	HqBtry 155 (SP)														
	GSBn 4MarDiv	15	3					X							
N2101	HqBtry ArtyRegt 1stMarDiv	45	9			X									
N2109	HqBtry DS (T) Bn 1stMarDiv	15	3			X									
N2109	HqBtry DS (T) Bn 1stMarDiv	15	3			X									
N2109	HqBtry DS (T) Bn 1stMarDiv	15	3			X									
N2109	HqBtry DS (T) Bn 1stMarDiv	15	3			X									
N2201	HqBtry ArtyRegt 2dMarDiv	45	9			X									
N2209	HqBtry DS (T) Bn 2dMarDiv	15	3			X									
N2209	HqBtry DS (T) Bn 2dMarDiv	15	3			X									
N2209	HqBtry DS (T) Bn 2dMarDiv	15	3			X									
N2209	HqBtry DS (T) Bn 2dMarDiv	15	3			X									
N2209	HqBtry DS (T) Bn 2dMarDiv	15	3			3				X					

Appendix A to  
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T/E #	UNIT TITLE	TOTAL UNIT		PLANNED KY-68 DELIVERIES																
		T/E ALLOWANCES		FY91Qtr				FY92Qtr				FY								
		KY-68/HYP-71		1	2	3	4	1	2	3	4	93/94								
N2301	HqBtry(-)ArtyRegt 3dMarDiv	45	9					X												
N2309	HqBtry DS (T) Bn 3dMarDiv	15	3					X												
N2309	HqBtry DS (T) Bn 3dMarDiv	15	3					X												
N2409	HqBtry DS (T) Bn 4thMarDiv	15	3					X												
N2409	HqBtry DS (T) Bn 4thMarDiv	15	3					X												
N2409	HqBtry DS (T) Bn 4thMarDiv	15	3					X												
N3113	CommCo H&SBn 1stFSSG	225	45					X												
N3132	ELMACO MaintBn 1stFSSG	10	4					X												
N3141	H&SCo LanSptBn 1stFSSG	45	9					X												
N3213	CommCo H&SBn 2dFSSG	225	45					X												
N3232	ELMACO MaintBn 2dFSSG	10	4					X												
N3241	H&SCo LanSptBn 2dFSSG	45	9					X												
N3313	CommCo H&SBn 3dFSSG	225	45							X										
N3332	ELMACO MaintBn 3dFSSG	10	4							X										
N3341	H&SCo LanSptBn 3dFSSG	45	9							X										
N3413	CommCo(-) H&SBn 4thFSSG	225	45							X										
N3432	ELMACO MaintBn 4thFSSG	10	4							X										
N3441	H&SCo LanSptBn 4thFSSG	45	9							X										
N4041	HqCo CommBn 4thMEF (7thSSCT)	4	3							X										X
N4042	CommCo CommBn 4thMEF	90	18							X										
N4043	LongLinesCo CommBn 4thMEF	90	18							X										
N4044	CommSptCo CommBn 4thMEF	90	18							X										
N4610	FIIU IntelCo 1stSRIG	11	2																	X
N1637	H&SCo 1stRadioBn	21	4									X								
N4684	CommSptCo CommBn 1stSRIG	93	19					X												X
N4685	CommCo CommBn 1stSRIG	94	19					X		X										
N4685	CommCo CommBn 1stSRIG	94	19					X		X										
N4710	FIIU IntelCo 2dSRIG	11	2																	X
N4725	FIIU 4thMAW	3	2																	X
N4732	1st SpecSecCommTeam, FMF	2	2																	X
N4732	2D SpecSecCommTeam, FMF	2	2																	X
N4732	3D SpecSecCommTeam, FMF	2	2																	X
N4732	4th SpecSecCommTeam, FMF	2	2																	X
N4732	5th SpecSecCommTeam, FMF	2	2																	X
N4732	6th SpecSecCommTeam, FMF	2	2																	X
N4737	H&SCo RadioBn 2dSRIG	21	4																	X
N4784	CommSptCo CommBn 2dSRIG	93	19						X											X
N4785	CommCo CommBn 2dSRIG	94	19						X											
N4785	CommCo CommBn 2dSRIG	94	19						X											
N4810	FIIU, IntelCo, 3dSRIG	11	2																	X
N4884	CommSptCo CommBn 3dSRIG	93	19							X										X
N4885	CommCo CommBn 3dSRIG	92	19							X										
N8612	MWCS MACG 4thMAW	225	45							X										
N8615	H&HS MACG 1stMAW	6	4																	X
N8615	H&HS MACG 2dMAW	6	4																	X
N8615	H&HS MACG 3dMAW	6	4																	X
N8615	H&HS MACG 4thMAW	6	4																	X

Appendix A to  
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T/E #	UNIT TITLE	TOTAL UNIT		PLANNED KY-68 DELIVERIES										
		T/E ALLOWANCES		FY91Qtr				FY92Qtr				FY		
		KY-68/HYP-71		1	2	3	4	1	2	3	4	93/94		
N8618	H&SBtry LAAM Bn 4thMAW	30	6				X							
N8631	MACS 4/MTDS MACG1stMAW	66	13				X							X
N8632	MACS 5/MTDS MACG 2dMAW	66	13			X								X
N8632	MACS 6/MTDS MACG 2dMAW	66	13			X								X X
N8633	MACS 7/MTDS MACG 3dMAW	66	13			X								X X
N8634	MACS 23/MTDS MACG 4thMAW	66	13				X							X X
N8634	MACS 24/MTDS MACG 4thMAW	66	13				X							X X
N8651	Hq MarWngCommSqd 1stMAW	139	28											X
N8651	Hq MarWngCommSqd 2dMAW	139	28			X								
N8651	Hq MarWngCommSqd 3dMAW	139	28			X								
N8652	Det MWCS 1stMAW	45	9											X
N8652	Det MWCS 1stMAW	45	9											X
N8652	Det MWCS 2dMAW	45	9			X								
N8652	Det MWCS 2dMAW	45	9			X								
N8652	Det MWCS 3dMAW	45	9			X								
N8652	Det MWCS 3dMAW	45	9			X								
N8682	HqBtry LAAM Bn 2dMAW	30	6											X
N8682	HqBtry LAAM Bn 3dMAW	30	6			X								
N8702	MWSS (FW) MWSG 1stMAW	45	9											X
N8702	MWSS (FW) MWSG 1stMAW	45	9											X
N8702	MWSS (FW) MWSG 2dMAW	45	9			X								
N8702	MWSS (FW) MWSG 2dMAW	45	9			X								
N8702	MWSS (FW) MWSG 3dMAW	45	9			X								
N8702	MWSS (FW) MWSG 3dMAW	45	9			X								
N8702	MWSS (FW) MWSG 4thMAW	45	9											X
N8702	MWSS (FW) MWSG 4thMAW	45	9											X
N8703	MWSS (RW) MWSG 1stMAW	45	9											X
N8703	MWSS (RW) MWSG 2dMAW	45	9			X								
N8703	MWSS (RW) MWSG 2dMAW	45	9			X								
N8703	MWSS (RW) MWSG 3dMAW	45	9			X								
N8703	MWSS (RW) MWSG 3dMAW	45	9			X								
N8703	MWSS (RW) MWSG 4thMAW	45	9											X
N8703	MWSS (RW) MWSG 4thMAW	45	9											X

Appendix A to  
ENCLOSURE (1)

SCHEDULE OF EVENTS

The following is a schedule for the major program events yet to occur.

<u>EVENT</u>	<u>FY</u>	<u>OTR</u>
Materiel Fielding Plan published	91	4
Equipment fielding begins:	90	4
Initial Operating Capability (IOC):	91	1
Final Operating Capability (FOC):	92	4
Publications, Ready for Issue:	91	3

Appendix B to  
ENCLOSURE (1)

7 Jan 92

## SHORTAGES

1. It is anticipated that the TSEC/ST-34 will not be completely fielded to all FLSCF's and SCS's until June 1992. Personnel trouble-shooting the KY-68 should take extra care in their troubleshooting procedures to ensure confidence that the KY-68 which they are evacuating to the SCS or FLSCF is indeed defective.
2. Until all the TSEC/ST-34's are fielded, the FLSCF's and SCS's will have a limited maintenance capability. SCS's, receiving a defective KY-68 and who do not yet have their TSEC/ST-34, should evacuate the KY-68 to the supporting BSSG-1 SCS or the FLSCF. The BSSG-1 SCS or FLSCF should further evacuate the KY-68 to the supporting CRF if they have not received their TSEC/ST-34.
3. Deliveries of the HYP-71 are expected to begin during FY93.
4. Liberal use of the ORF exchange pool assets during this period is recommended.

Appendix C to  
ENCLOSURE (1)

7 Jan 92

## DISTRIBUTION SCHEDULE FOR GENERAL PURPOSE TEST EQUIPMENT

TSEC/ST-34 INTERMEDIATE LEVEL TEST SET, (TAMCN A8094)

1. The TSEC/ST-34 is not exclusively used for the testing of the KY-68, but is applicable to several of the TRI-TAC COMSEC equipments. The distribution schedule for this test set will be covered in detail in a separate Materiel Fielding Plan (MFP) on the TSEC/ST-34. For planning purposes, it is anticipated that the ORF and maintenance organizations listed below will be receiving the TSEC/ST-34 ILTS.

<u>T/E NO</u>	<u>UNIT TITLE</u>	<u>QTY</u>
7434	COS, T&E, MCCDC	1
7442	MCTSSA	1
7720	MCCES Twentynine Palms	2
B3331	MaintCo, BSSG-1, 1stMEB	2
B4885	CommCo CommBn 3DSRIG-1stMEB	1
M4001	ORF, 1stFSSG	2
M4002	ORF, 2dFSSG	2
M4003	ORF, 3dFSSG	2
M4004	ORF, 4thFSSG	2
N1015	CommCo, HqBn, 1st MarDiv	1
N1025	CommCo, HqBn, 2d MarDiv	1
N1035	CommCo, HqBn, 3d MarDiv	1
N1045	CommCo, HqBn, 4th MarDiv	1
N3132	ELMACO, MaintBn, 1stFSSG	4
N3232	ELMACO, MaintBn, 2dFSSG	4
N3332	ELMACO, MaintBn, 3dFSSG	4
N3432	ELMACO, MaintBn, 4thFSSG	4
N4041	HqCo, CommBn, 4th MEF	1
N4684	CommSptCo, CommBn, 1stSRIG	2
N4784	CommSptCo, CommBn, 2dSRIG	2
N4884	CommSptCo, CommBn, 3dSRIG	2
N8612	MWCS, MACG, 4th MAW	2
N8652	Det, MWCS, MACG, MAW	1

2. The planned publication date for the TSEC/ST-34 MFP is the 1st quarter, FY92.

Appendix D to  
ENCLOSURE (1)

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## DISTRIBUTION OF TECHNICAL MANUALS

The distribution for the technical manuals pertinent to the KY-68 are given below.

<u>T/E NO</u>	<u>UNIT TITLE</u>	<u>QTY(1)</u>	<u>QTY(2)</u>	<u>QTY(3)</u>
7011	MCLB Barstow	2		
7014	MCLB Albany	2		
7434	COS, T&E Cntr, MCCDC	10	2	1
7442	MCTSSA	20	2	1
7720	MCCES 29 Palms	20	4	2
A8633	MACS-1 3d MAW	10		
B1131	Inf Regt, 1stMEB	3		
B2309	HqBtry, DSBn(T) 1stMEB	1		
B3331	MaintCo BSSG-1 1stMEB (maint only)	2	4	2
B4885	CommCo CommBn 3dSRIG-1stMEB	11	4	2
B8633	MACS-2, 1st MEB	10		
B8703	MWSS (RW), 1stMEB	3		
N1015	CommCo HqBn 1stMarDiv	11	2	1
N1025	CommCo HqBn 2dMarDiv	11	2	1
N1035	CommCo HqBn 3dMarDiv	11	2	1
N1045	CommCo HqBn 4thMarDiv	11	2	1
N1111	HqCo, InfRegt, 1stMarDiv	3		
N1121	HqCo, InfRegt, 2dMarDiv	3		
N1131	HqCo, InfRegt, 3dMarDiv	3		
N1141	HqCo, InfRegt, 4thMarDiv	3		
N1166	HqCo, InfRegt (4BnBase) 1stMarDiv	3		
N1176	HqCo InfRegt (4BnBase) 2dMarDiv	3		
N1261	HqBtry ArtyRegt 4thMarDiv	3		
N1271	HqBtry 155 (SP) GSBn ArtyR 4MarDiv	3		
N1274	HqBtry 8"GSBn Artyregt 4MarDiv	3		
N2101	HqBtry Artyregt 1stMarDiv	3		
N2109	HqBtry DSBn (T) 1MarDiv	1		
N2201	HqBtry ArtyRegt 2dMarDiv	3		
N2209	HqBtry DSBn (T) 2dMarDiv	1		
N2301	HqBtry (-) ArtyRegt 3dMarDiv	3		
N2309	HqBtry DSBn (T) 1stMarDiv	1		
N2409	HqBtry DSBn (T) 4thMarDiv	3		
N3113	CommCo H&SBn 1stFSSG	11		
N3132	ELMACO MaintBn 1stFSSG (maint only)	4	8	4
N3141	H&SCo LanSptBn 1stFSSG	3		
N3213	CommCo H&SBn 2dFSSG	11		
N3232	ELMACO MaintCo 2dFSSG (maint only)	4	8	4
N3241	H&SCo LanSptBn 2dFSSG	3		
N3313	CommCo H&SBn 3dFSSG	11		
N3332	ELMACO MaintBn 3dFSSG (maint. only)	4	8	4
N3341	H&SCo LanSptBn 3dFSSG	3		
N3413	CommCo (-) H&SBn 4thFSSG	11		

Appendix E to  
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<u>T/E NO</u>	<u>UNIT TITLE</u>	<u>QTY(1)</u>	<u>QTY(2)</u>	<u>QTY(3)</u>
N3432	ELMACO MaintBn 4thFSSG (maint only)	4	8	4
N3441	H&SCo LanSptBn 4thFSSG	3		
N4041	HqCo CommBn 4thMEF (maint only)	6	2	1
N4042	CommCo CommBn 4thMEF	11		
N4043	LongLinesCo CommBn 4thMEF	8		
N4044	CommSptCo CommBn 4thMEF	6		
N4610	FIIU IntelCo 1stSRG	4		
N4637	H&SCo 1stRadioBn	3		
N4684	CommSptCo CommBn 1stSRIG	11	4	2
N4685	CommCo CommBn 1stSRIG	11		
N4710	FIIU IntelCo 2dSRIG	4		
N4725	FIIU 4thMAW	4		
N4732	Special Security Comm Team, FMF	1		
N4737	H&SCo RadioBn 2dSRIG	3		
N4784	CommSptCo CommBn 2dSRIG	11	4	2
N4785	CommCo CommBn 2dSRIG	11		
N4810	FIIU IntelCo 3d SRIG	4		
N4884	CommSptCo CommBn 3d SRIG	11	4	2
N4885	CommCo CommBn 3d SRIG	11		
N8612	MWCS MACG 4thMAW	13	4	2
N8615	H&HS MACG MAW	4		
N8618	H&S Btry LAAM Bn 4thMAW	2		
N8631	MACS MACG 1stMAW	10		
N8632	MACS MACG 2dMAW	10		
N8633	MACS MACG 3dMAW	10		
N8634	MACS MACG 4thMAW	10		
N8651	Hq MarWngCommSqd MAW	3		
N8652	DET, MWCS, MAW	11	2	1
N8682	Hqs Btry, LAAM Bn MAW	1		
N8702	MWSS (FW) MWSG MAW	3		
N8703	MWSS (RW) MWSG MAW	3		

(1) is TM 11-5810-329-10.

(2) is TM 11-5810-329-23 and TM 11-5810-329-24P.

(3) is TM 11-5810-333-13 and TM 11-5810-333-34P.

Appendix E to  
ENCLOSURE (1)