



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

MCO 2060.1
LMC-1-ast
30 Jul 1986

MARINE CORPS ORDER 2060.1

From: Commandant of the Marine Corps
To: Distribution List

Subj: Advance Logistics Order on the Converter, Telephone
Signal, CV-3478/TTC

Ref: (a) TM 11-5805-715-12, Sect. III, P. B-4
(b) MCO P4400.79D
(c) MCO P4400.82F

Encl: (1) Logistics Planning Data, Publications, and
Allowances for Converter, Telephone Signal, CV-3478/TTC

1. Purpose. To provide information to commanders relative to the introduction of the Converter, Telephone Signal, CV-3478/TTC, and to provide instructions for placing the equipment in service.

2. Information

a. General. The Converter, Telephone Signal, CV-3478/TTC (hereinafter referred to as the CV-3478), was procured from General Telephone Electronics (GTE) Government Systems Corp., Needham Heights, Massachusetts, under Army Contract No. DAAK80-80-C-0280. The procurement of six telephone signal converters is scheduled for release to the Fleet Marine Force (FMF) during fiscal year (FY) 86/87. They are to be used in conjunction with Automatic Telephone Central Offices AN/TTC-38 (V)1 and AN/TTC-38 (V) / 2 when it is necessary for them to interface with telephone central offices of other North American Treaty Organization (NATO) countries.

b. Description. The CV-3478 is a ruggedized, solid state field converter. This converter is used as a NATO Interface Unit (NIU) and is a means of connecting National Telecommunications Systems which use different signaling techniques. The C-3478 converts the 2600 Hz single frequency (SF) signal (dial pulse) used by the AN/TTC-38 Telephone Central Office to the NATO standard direct current signaling. Conversion between the 4-wire system on the AN/TTC-38 side of the converter and the 6-wire system used on the NATO side is also accomplished. Each CV-3478 provides eight separate trunks.

c. Power Requirements. 115 Vac, 50-60 Hz, power dissipation, approximately 15 watts.

d. Replaced Item. None.

e. Concept of Employment. The CV-3478 will be employed at the 1st and 2d Marine Amphibious Force (MAF), wing and division levels. The CV-3478 will allow telephone users direct access into NATO telephone switching systems.

f. Logistics Planning Data. Logistics data for the CV-3478 is contained in the enclosure.

g. Training

(1) Operator. No operator training is necessary, since the CV-3478 operates in a remote environment.

(2) Maintenance. Organizational unit and direct support maintenance will be performed by Electronic Switching Equipment Technicians, Military Occupational Specialty (MOS) 2822. They will receive a general orientation on the CV-3478 while attending the Electronic Switching System Repair Course at Fort Gordon, Georgia. Further training will be accomplished through on-the-job training or a mission-oriented unit training.

h. Tool and Test Equipment. Tool and test equipment requirements are listed in reference (a).

i. Repair Parts Support. Instructions for the initial issue of repair parts are provided in reference (b). Initial issue Provisioning Project B7V has been assigned to the CV-3478, and will provide a 100 percent supportability to the end item at time of issue. Should clarification of this initial issue be required, address inquiries to the Commanding General (Code 840), Marine Corps Logistics Base, Albany, GA 31704-5000.

j. Maintenance Support

(1) Organizational. First and second echelon maintenance will be performed by the using units.

(2) Intermediate. Third and fourth echelon maintenance will be performed by MOS 2822 at the force service support groups (FSSG's) unless the using unit is authorized to perform intermediate level maintenance in its Table of Organization (T/O) mission statement.

(3) Depot Maintenance. Fifth echelon maintenance will be performed at an Army depot/depots in accordance with a depot maintenance interservice support agreement (DMISA) with the Department of the Army. Repairable items included under the DMISA will be components/subassemblies which have been assigned Source, Maintenance, and Recoverability Code D or L in the appropriate technical manual. All circuit card assemblies are to be repaired at depot, under the DMISA.

k. Recoverability. The CV-3478 is recoverable at fifth echelon. It is a reportable item under the provisions of reference (c).

3. Initiating Service

a. The Commanding General, Marine Corps Logistics Base (MCLB), Albany, shall direct shipment of the six CV-3478's in accordance with prescribed allowances contained in the enclosure when directed by the Commandant of the Marine Corps (LMC). This shipment is tentatively scheduled during the first quarter of FY 1987, or sooner if possible.

b. The Commanding Generals, FMF, Atlantic and Pacific, shall report when the item is placed in service using the procedures outlined in reference (c) for controlled items.

c. The Commanding General, MCLB, Albany, shall assume the logistics responsibility for these items concurrent with the in-service-date generated by the action taken in paragraph 3b, preceding.

d. Reserve units are not authorized the Central Office, Telephone, Automatic, AN/TTC-38, which is required to operate with the CV-3478.

4. Reserve Applicability. This Order is not applicable to the Marine Corps Reserve.


ROBERT J. WINGLASS
By direction

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LOGISTICS PLANNING DATA, PUBLICATIONS, AND ALLOWANCES
FOR THE CONVERTER, TELEPHONE SIGNAL, CV-3478/TTC

1. Logistics Data

Item name: Converter, Telephone Signal, CV-3478/TTC

TAM No.: A0327 VII G

ID No.: 08842A

NSN: 5805-01-127-6943

Unit of issue: ea

Unit cost: \$29,800

Unit standard package: 1

Standardization: standard

Procurement status: SAC 3

Length: 24.5 in

Width: 20.5 in

Height: 10.5 in

Square storage: 3.5 ft(2)

Cube: 3.05 ft(3)

Weight: 45 lbs

Replacement factors: not applicable

2. Publications. The following publications are required by the user:

<u>Publication No.</u>	<u>Title</u>	<u>PCN</u>
TM 11-5805-715-12	Operators and Organizational Maintenance Manual	351 585040 00
TM 11-5805-715-20P	Organizational and Maintenance Repair Parts and Special Tools List (RPSTL)	351 585046 00

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<u>Publications</u>	<u>Title</u>	<u>PCN</u>
TM 11-5805-715-34	Direct Support and General Support Maintenance	351 585041 00
TM 11-5805-715-34P	Repair Parts and Special Tools List	351 585047 00
SL-3-08842A	Components List	123 088420 00

3. Allowances

<u>T/E No.</u>	<u>Unit</u>	<u>Qty.</u>
N-1025	CommCo, HqBn, 2dMarDiv	1
N-3213	CommCo, H&S Bn, 2dFSSG	1
N-4012	CommCo, CommBn, 1stMAF	2
N-4022	CommCo, CommBn, 2dMAF	1
N-8612	MWCS-28, 2dMAW (Special Allowance)	1

4. Ancillary Equipment. The following list of equipment is included with the CV-3478.

<u>NSN/Part No.</u>	<u>Item</u>	<u>Qty.</u>
5995-01-146-6176	Cable Assembly, NATO Crossover	1
5995-01-079-3719	Cable Assembly, Signal CX-13099	1
5995-01-079-3178	Cable Assembly, Power	1
SM-D-811746	Cable Assembly, Signal	1
SM-A-838684-71	Cords, Patch	2
TM 11-5805-715-12	Technical Manual	1

ENCLOSURE (1)