



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

MCO 1543.6  
C2I  
24 Feb 92

MARINE CORPS ORDER 1543.6

From: Commandant of the Marine Corps  
To: Distribution List

Subj: MATERIEL FIELDING PLAN FOR THE TOOL SET, DIVING  
EQUIPMENT

Encl: (1) Materiel Fielding Plan for the Tool Set, Diving  
Equipment

1. Purpose. To provide information and instructions concerning the fielding of the Tool Set, Diving Equipment.
2. Information. This Tool Set is organized to provide a standard set of tools for open circuit diving maintenance sections in the Marine Corps. This set contains the tools necessary to conduct maintenance up to and including fourth echelon. This Tool Set is being provided to those organizations that are authorized to conduct first through fourth echelons of maintenance for open circuit diving equipment.
3. Action. The commanders of each organizational element concerned shall ensure implementation of the provisions of this Order.
4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

**R. A. TIEBOUT**

R. A. TIEBOUT  
By direction

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MATERIEL FIELDING PLAN  
FOR THE TOOL SET, DIVING EQUIPMENT

1. Introduction

a. Source of Requirement. Commanding General (CG) Marine Corps Combat Development Command (MCCDC) message 252000Z Jul 90 identified a need for a standard tool set for repairing open circuit diving equipment used by Special Operational Capable (SOC) units.

b. Points of Contact

<u>Name</u>	<u>Command/Telephone</u>
Maj. O'Hara	Project Officer Diving Equipment MARCORSYSCOM (C2IA) Quantico, VA 22134-5080 AV/DSN 278-2914 COMM: (703) 640-2914
GySgt Scriven	Assistant Project Officer Diving Equipment MARCORSYSCOM (C2IA) Quantico, VA 22134-5080 AV/DSN 278-2914 COMM: (703) 640-2914
Capt Thompson	ILS Officer Diving Equipment MARCORSYSCOM (C2IL) Quantico, VA 22134-5080 AV/DSN 278-2234 COMM: (703) 640-2234
Judy Mathis	Inventory Manager Diving Equipment MARCORLOGBASES (Code 835-2) Albany, GA 31704-5001 AV/DSN 567-6534 COMM: (912) 439-6534

c. Fielding Methodology

(1) General Fielding Plan. This Tool Set will be available to the units in the quantities as listed in appendix A. Appendix B indicates the Schedule of Events. There will not be an initial issue of Tool Sets.

(2) Method of Fielding. Units listed in appendix A will requisition all components of the Tool Set from the listed source of supply or local procurement.

d. Replaced Systems/Equipment. This tool set replaces TAMCN C6610 and all locally developed open circuit tool sets that currently exist.

2. System Description

a. Administrative Information

- (1) Nomenclature. Tool Set, Diving Equipment
- (2) TAMCN. K4997IIE
- (3) Stores Account Code (SAC). 1
- (4) NSN. 4220-01-335-4551
- (5) Unit of Issue (UI). Set
- (6) Unit Cost (UC). \$800.00 (estimate)
- (7) Support Cost. None
- (8) Petroleum, Oil, and Lubricants (POL). N/A
- (9) Equipment Density. Normal
- (10) Readiness Reporting. None
- (11) Identification Number (ID #). 09527A

b. Physical Characteristics

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
(1) <u>Length</u> .	22 in	22 in
(2) <u>Width</u> .	17 in	17 in
(3) <u>Height</u> .	8 in	8 in
(4) <u>Square</u> .	1 ft(2)	1ft(2)
(5) <u>Cube</u> .	1.7 ft(3)	1.7 ft(3)
(6) <u>Weight</u> .	25 lbs	25 lbs
(7) <u>Stowage</u> .	1.7 ft(3)	1.7(3)

(8) Power Requirements. None

c. Operational Characteristics. The Tool Set, Diving Equipment has been developed to provide diving equipment maintenance sections with a standardized list of tools necessary to conduct maintenance, up to and including fourth echelon. The set contains numerous tools and a shipping container which will be listed in a Stock List-3 (SL-3). Approximately thirty-nine (39) of the tools are provided as Supply System Responsibility (SSR) Items. The remaining items are provided as Using Unit Responsibility (UUR) Items.

d. Associated/Related Systems/Equipment. This Tool Set is applicable for repairing all open circuit diving equipment in the Marine Corps inventory.

3. Logistics Support

a. Maintenance Support. All of the items in the Tool Set require first echelon maintenance by the using and owning units. The basic tasks include the proper care, cleaning and inventory requirements. The items in the set which are listed below require calibration and should be performed by an appropriate calibration facility. All of the other items do not require maintenance beyond first echelon.

<u>NSN</u>	<u>ITEM</u>
N/A	TEST REGULATOR GAUGE
5120-01-286-4352	WRENCH, TORQUE
5120-01-595-9069	WRENCH, TORQUE
N/A	PRESSURE TEST CHAMBER
N/A	REGULATOR TEST AND EVALUATION UNIT
6670-00-491-7501	SCALE, WEIGHING

b. Contractor Support Requirements

(1) Depot Support. None.

(2) Interim Contractor Support (ICS). None.

c. Manpower, Personnel, and Training

(1) Personnel Requirements. No impact on current personnel authorizations is required. The current T/O strength will be used.

(2) Training Requirements. No special training requirements are needed to operate the tools in the set, although, maintenance actions are only to be performed by personnel that have attended commercially provided vendor's training courses.

ENCLOSURE (1)

(3) Training Support Items. None.

d. Supply Support

(1) Provisioning. Initial issue provisioning is not required.

(2) Replenishment. All requests for individual items within the set will be requisitioned from the listed Source of Supply. Since this set is a Stores Account Code (SAC) 1 item, the owning units are required to requisition Tool Sets, Diving Equipment or any individual items in the set with their own Operations and Maintenance (O&M) funds. COMMARCORLOGBASES, Albany will issue complete Tool Sets to new T/E allowances only.

e. Support Equipment. None.

(1) Special Tools. N/A

(2) Common Tools. N/A

(3) Special Purpose Test Equipment (SPTE)

<u>Nomenclature</u>	<u>NSN</u>
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Test Regulator Gauge	N/A
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Pressure Test Chamber	N/A
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Regulator Test and Evaluation Unit	N/A
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(4) General Purpose Test Equipment (GPTE)

<u>Nomenclature</u>	<u>NSN</u>
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Wrench, Torque	5120-01-286-4352
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Wrench, Torque	5120-01-595-9069
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(5) Test Program Sets (TPS). None.

(6) Other Support Equipment. None.

f. Technical Publications (TP). The Tool Set, Diving Equipment is supported by the SL-3-09527A for component part requisitioning and to assist with inventories.

g. Computer Resources Support. None.

h. Facilities. No new, interim or special facilities are required to support the Tool Set.

ENCLOSURE (1)

i. Packaging, Handling, Storage, and Transportation

(1) Packaging. There are no special packaging requirements.

(2) Handling. There are no special handling procedures.

(3) Storage. The Tool Set should be stored away from the elements and in its storage case to provide protection from rust and decay when not being used.

(4) Transportability. There are no special transportation or transportability requirements.

j. Warranties. There are no specially procured warranties for items in the Tool Set that are marked with a Military Specific (MILSPEC) number. Non MILSPEC items in the set that have commercial warranties will be overpacked with the warranty instructions.

4. Actions Required To Place Equipment In Service

a. Gaining Commands

(1) Materiel Defects Reporting. If any of the contents of the Tool Set arrive damaged or missing, a Standard Form (SF) 368 Quality Deficiency Report (QDR) should be submitted to COMMARCORLOGBASES, (Code 835-2), Albany, GA. If any of the items become deficient from other than normal use, a QDR should be submitted. A QDR, with block 19 marked "yes", should also be completed if a deficiency occurs during any commercial warranty periods. The starting time of the warranty will be recorded by the owning unit upon delivery. Understanding the terms and conditions of the commercial warranties is the owning unit's responsibility. Any questions on the warranty should be addressed to COMMARCORLOGBASES, (Code 835-4), Albany, GA.

(2) Retrograde of Existing Equipment. All tools which are currently being used in lieu of the Tool Set, should be returned to the unit supply officer for disposition once the Tool Set is assembled. Many of the tools that currently exist in the units may be part of this Tool Set. Those items which are listed as Using Unit Responsibility items in the Tool Set's SL-3 can be held in the unit's inventory if approved by the unit's commanding officer.

(3) Obtaining Supporting Consumable. None.

b. COMMARCORLOGBASES, Albany. Provide assistance in the coordination and completion of the Principal End Item (PEI) transfer process.

ENCLOSURE (1)

LIST OF ALLOWANCES

ACTIVE FORCES

<u>T/E</u>	<u>NAME OF UNIT</u>	<u>NO. UNITS</u>	<u>QTY/UNIT</u>	<u>TOTAL</u>
5980	Amphib. Recon. School, LFTCLant	1	1	1
5981	Amphib. Recon. School, LFTCPac	1	1	1
N1411	H&S Co, Recon Bn, 1st MarDiv	1	2	2
N1412	Recon Co, Recon Bn, 1st MarDiv	4	1	4
N1421	H&S Co, Recon Bn, 2d MarDiv	1	2	2
N1422	Recon Co, Recon Bn, 2d MarDiv	4	1	4
N1431	H&S Co, Recon Bn, 3d MarDiv	1	2	2
N1432	Recon Co, Recon Bn, 3d MarDiv	2	1	2
N1433	Recon Co w/Deep Recon Cap, 3d MarDiv	1	1	1
B1432	A Co (Rein), Recon Bn, 1st MEB	1	1	1
N4618	Force Recon Co, 1st SRI Group	1	11	11
N4718	Force Recon Co, 2d SRI Group	1	11	11
N4818	Det, Force Recon Co, 3d SRI Group	1	2	2

RESERVE FORCES

<u>T/E</u>	<u>NAME OF UNIT</u>	<u>No. UNITS</u>	<u>QUANTITY</u>	
N1441	H&S Co, Recon Bn, 4th MarDiv	1	2	2
N1442	Recon Co, Recon Bn, 4th MarDiv	4	1	4
M4623	3d Force Recon Co, 4th MarDiv	1	1	1
M4623	4th Force Recon (-), 4th MarDiv	1	1	1
M4623	(Det) 4th Force Recon Co, 4th MarDiv	1	1	1
			Total	53

Appendix A to  
ENCLOSURE (1)

SCHEDULE OF EVENTS

Begin Fielding	1st QTR FY 92
Initiating Service Date	1st QTR FY 92
Initial Operational Capability	1st QTR FY 92
FOC	1st QTR FY 93

Appendix B to  
ENCLOSURE (1)