ULSS 008701-15

USER'S LOGISTICS SUPPORT SUMMARY

TESTER AUTOMATIC TRANSMISSION (TRAN-X2000)

4910-01-495-8155

MARINE CORPS SYSTEMS COMMAND
QUANTICO, VA 22134-5010

February 2004
PCN 132 108440 00

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UNITED STATES MARINE CORPS
MARINE CORPS SYSTEMS COMMAND
QUANTICO, VA 22134-5010

27 February 2004

1. This User's Logistics Support Summary (ULSS) authenticated for Marine Corps use and effective upon receipt, advises the Fleet Marine Force and other selected commands of the plan to field and logistically supports the TRAN-X 2000, National Stock Number (NSN) 4910-01-495-8155.

2. Submit notice of discrepancies or suggested changes to this ULSS 008701-15 to: Commanding General, MARCORSYSCOM, Attn: Program Manager, (PMM-161 CESS TMDE), 2200 Lester St, Quantico, Virginia 22134-6050. In addition, forward an information copy to Assistant Commander Logistics (Code 04) and the same address.

3. This ULSS supersedes LAP 0087-01 of 15 August 2001

4. This ULSS is applicable to the Marine Corps Reserve.

BY DIRECTION OF THE COMMANDING GENERAL MARINE CORPS SYSTEMS COMMAND

OFFICIAL:

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DISTRIBUTION: PCN 132 108440 00

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USER'S LOGISTICS SUPPORT SUMMARY (ULSS) FOR THE TRAN-X2000

1. Introduction. This ULSS details the procedures for fielding and support of the TRAN-X2000. Information provided in this Users Logistic Support Summary (ULSS) advises the Operating Forces and other select commands of plans for fielding and logistical support of the TRAN-X2000, National Stock Number (NSN) 4910-01-495-8155.

Appendices C-F is not applicable to this ULSS and will not be included with this document.

a. Source of Requirement. Mission Need Statement for TRAN-X2000, LOG 0087-01.

b. Points of Contact

TITLE	LOCATION AND CODE	TELEPHONE
PROGRAM MANAGER	MARCORSYSCOM/PMM-161 QUANTICO, VA 22134	(703) 432-3235 DSN 378-3235
PROJECT OFFICER	MARCORSYSCOM/PMM-161 QUANTICO, VA 22134	(703) 432-3247 DSN 378-3247
LOGISTICS TEAM LEADER	MARCORSYSCOM/LOGISTICS PM TMDE (PMM-161) QUANTICO, VA 22134	(703) 432-3246 DSN 378-3246
LOGISTICS MANAGEMENT TEAM (LMT)	MARCORSYSCOM-SOUTH PM TMDE (PMM-161) ALBANY, GA 31704	(229) 639-5074 DSN 567-5074

c. System Description. The TRAN-X2000 is an in or out of vehicle transmission tester for the HUMMV family of vehicles. The TRAN-X2000 consists of a Breakout Box, Cable(s), and Cable End Adapters. The (TRAN-X2000) will test and identify electrical current, solenoids, pressure, switches, sensors, and Electronic Control Unit (ECU) readings to determine proper operation of HUMMV electronically controlled automatic transmissions. With the proper power supply the TRAN-X2000 may also test transmissions while on the rebuild stand and for quality control verification. With additional Controller programming, appropriate adapters and cables, and procedures the TRAN-X2000 will also accommodate other electronically controlled automatic transmissions. The (TRAN-X2000) is an interim transmission tester that will be used until the Vehicle Automated Diagnostic System (VADS) is updated with the TRAN-X2000's capability.

d. Operational Characteristics. The primary objective of the TRAN-X2000 is to save time in accurately troubleshooting and diagnosing transmission malfunctions prior to removing the transmission from the vehicle. With proper procedures and appropriate connections, an organizational unit mechanic can effectively troubleshoot and diagnose faults in a transmission and confirm whether or not removing the transmission is required. With a series of test to select from a mechanic can easily diagnose component failure and determine if adjustments, or if transmission replacement is necessary. The tester may also be used on the bench or prior to, and after complete transmission rebuild.

e. Replaced Systems and Equipment: N/A

2. Administrative Information

a. Nomenclature. TESTER, AUTOMATIC TRANSMISSION (TRAN-X2000)

b. Table of Authorized Material Control Number (TAMCN). C70017B

c. Supply Account Code (SAC) 3

d. National Stock Number (NSN). 4910-01-495-8155

e. Item Designator (ID). 10844A

f. Unit of Issue (UI). Each

g. Unit Cost (UC). $1,573.00

h. Support Costs. $50.00 Annually

i. Physical Characteristics:

Operational Configuration

Length	12 inches
Width	4 inches
Height	.5 inches
Weight	3 lbs

j. Petroleum, Oil and Lubricants (POL): N/A

k. Equipment Density. Normal

l. Resource Reporting. N/A.

m. Power Requirements. 12V DC Vehicle power only. Using the Battery Cable Adapter refer to TM 10844-10/1, section 2.0, page 2 for proper 12v Dc connection configuration.

n. Associated Weapon Systems and Equipment. N/A

3. Fielding Methodology.

a. General Fielding Plan. The TRAN-X2000 will be fielded horizontally. With a three year fielding plan, initial distribution of 46 units to the Table of Equipment (T/E) allowances is outlined in Appendix A. Future fielding will be dependant on TRAN-X2000's capability implemented into the Vehicle Automated Diagnostic System (VADS), and the Operational Force's demand for additional units into the Fleets inventory. Feedback to MarCorSysCom is encouraged.

b. Method of Fielding. The prescribed allowances will be force fed to the gaining command. Units will receive authorized quantity that is reflected as an actual allowance on their Equipment Allowance File (EAF). No modifications are anticipated at this time. Per Appendix A, initial fielding includes Marine Corps Logistic Bases Albany and Barstow, and Blount Island.

4. Logistics Support

a. Maintenance Support. The TRAN-X2000 is a self contained unit, therefore will require limited maintenance.

(1) Maintenance Concept.

(a) Organizational Level Maintenance. Organizational level maintenance consists of normal cleaning, inventory, and replacement of unserviceable components as required. All replacement components will be requisitioned by the gaining command's unit funds, if applicable, via the manufacture.

(b) Intermediate Level Maintenance. The Intermediate Maintenance Activity (IMA) will verify and confirm discrepancies and coordinate appropriate action with the manufacture. Determination for manufacture repair/replacement or disposal will be made by the IMA. If not cost effective to repair, procedures for disposal will be done in accordance with locally published Marine Corps Orders (MCO). With authorized documentation replacement is incurred by the owning command.

(2) Designated Support Depots. N/A.

(3) Calibration Requirements. Unit is shipped ready for use. Calibration is not required. Should malfunction or inaccurate readings occur, contact the local Intermediate Maintenance Activity. Induction procedures into the IMA may vary. The local IMA will take appropriate actions with the manufacture. Refer to Paragraph 4.a.1.a, for required IMA instructions.

b. Contractor Support Requirements.

(1) Interim Contractor Support (ICS). N/A

c. Manpower, Personnel, and Training.

(1) Personnel Requirements. The TRAN-X2000 will be used by MOS 3521 personnel in order to perform their mission.

(2) Training Requirements. The TRAN-X2000 will be incorporated into the MOS 3521 training course at Motor Transport Maintenance School, MCCSSS, and Camp Lejeune, NC. Subsequent training may be accomplished in accordance with TM 10844A-10/1. Additional information and contact information is also available at the manufactures Website www.zoom-tech.com. Implementation into the shop level training schedule is encouraged.

(3) Training Support Items. TM 10844A-10/1 may be used to support subsequent training efforts. Additional information is available via the manufactures Web site at www.zoom-tech.com under TRAN-X2000.

d. Supply Support. Items that are being replaced or lost must be replenished with that manufacturer Cage Code 1RMG8, part number or NSN. All replacement components will be replenished using the gaining units funds via the manufacture's support department at 1- (800)-443-8130 or the Internet at www.zoom-tech.com. Manufactures mailing address is as follows: Zoom Technology 1003 Industrial Drive, West Berlin, NJ 08091 U.S.A. E-Mail: info@zoom-tech.com

e. Support Equipment.

(1) Special Tools.. N/A

(2) Common Tools. N/A

(3) Special Purpose Test Equipment (SPTE). N/A

(4) General Purpose Test Equipment. N/A

(5) Test Program Sets. N/A

(6) Other Support Equipment. N/A

f. Technical Publications. An initial Technical Manual identification number is TM 10844-10/1 and Publication Control Number (PCN) 500 108440 00 has been provided to gaining commands. Revisions will be prioritized according to feedback provided by the Fleet Marine Forces, continued feedback is encouraged.

g. Computer Resources Support. N/A

h. Facilities.

(1) Existing Facilities. Additional Inventory and Security management is not required. Local Tool Room accommodations are adequate.

(2) New Facilities. N/A

(3) Interim Facilities. N/A

i. Packaging, Handling, Storage, and Transportation.

(1) Packing. The TRAN-X2000 comes with preformed molded plastic case for storage and transport.

(2) Handling. Must be handled with care as not to cause damage to the Controller. Care must be taken while attaching cables and adapters as not to place near heat, pinching, and or moving parts.

(3) Storage. Must be stored in a reasonably dry moisture free storage container. Existing Inventory and Security procedures are adequate.

(4) Transportation. N/A

j. Warranties. A One-year manufacturers warranty will commence the day of initial delivery into the Fleets inventory, which may differ from the gaining units date of delivery. Zoom Technology, 1- (800)-443-8130 or the Internet at www.zoom-tech.com. Manufactures mailing address is as follows: 1003 Industrial Drive, West Berlin, NJ 08091 U.S.A. E-Mail: info@zoom-tech.com

k. Environmental, Safety, and Health (ESH). The Program Manager has determined that no Safety Assessment Report (SAR) needs to be conducted base on the asset's commercial nature.

l. Plan of Action and Milestones (POA&M). N/A

5. Actions Required to Place Equipment in Service

a. Gaining Commands

(1) Perform acceptance inspections upon receipt. Verify all components are present and serviceable prior to acceptance. Report any discrepancies to the issuing Marine Corps Logistics Base for corrective action. Warranty may not be effective as of date of acceptance. Confirm start date with issuing Marine Corps Logistics Base.

(2) Shipping. The TRAN-X2000 will be force-fed to all gaining units.

(3) Fielding Delay. N/A

b. MARCORSYSCOM

(1) Manage program funds and budget for the initial fielding of the product.

(2) Ensure action is initiated to reflect current allowance data in the Equipment Allowance File (EAF) coinciding with the project in-service date.

(3) Provide all aspects of technical and logistical assistance to the gaining command.

(4) Maintain life cycle management of the system per MCO 4105.4 and TM 4420-15/1 as required.

Appendix A: List of Allowances and Delivery Schedules

T/E	RUC	UNIT NAME	Multi	Qty	Total
7550	M31318	MCServSptScol, Trng Comd,CLNC	1	20	**20**
7013	M92502	Blount Island Command, FL (MPS)	1	8	**8**
N3135	M28326	MT MaintCo, MaintBn, 1st FSSG	1	4	**4**
N3135	M35010	MaintCo, CSSG-1 29 PALMS CA	1	2	**2**
N3136	M28328	G/S MaintCo, MaintBn, 1st FSSG	1	2	**2**
N3235	M27126	MT MaintCo, MaintBn, 2nd FSSG	1	8	**8**
N3236	M27128	G/S MaintCo, MaintBn, 2nd FSSG	1	3	**3**
N3335	M29026	MT MaintCo, MaintBn, 3rd FSSG	1	3	**3**
N3336	M29028	G/S MaintCo, MaintBn, 3rd FSSG	1	2	**2**
B3331	M69009	MaintCo, CSSG-3 (HI)	1	2	**2**
N3436	M29076	G/S MaintCo, MaintBn, 4th FSSG	1	2	**2**
N3435	M29075	MT MaintCo, MaintBn, 4th FSSG	1	2	**2**
7014	M94700	MCLB ALBANY GA, DMA	1	2	**2**
7011	M93636	MCLB BARSTOW CA DMA	1	3	**3**
015060	MMV420	PREPOSITIONED NORWAY	1	2	**2**
MX1DY	CO MLC MAINT BN DEPLOYED (KUWAIT)		1	1	**1**
		TOTAL			**66**

Appendix B: Schedule of Events.

EVENTS	**DATES**
Release of Provisioning Projects	N/A
Fielding Begins	July 2003
Initial Operational Capability	July 2003
Final Operational Capability	July 2003