TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

FOR

CONVERTER, TELEPHONE SIGNAL

CV-1919/G

NSN 5805-00-910-8848

HEADQUARTERS, DEPARTMENT OF THE ARMY

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CHAPTER I
INTRODUCTION

1.0. scope

This maintenance manual describes Converter, Telephone Signal CV-1919/G (hereinafter referred to as the Converter) and covers its operation, theory of operation, and organizational maintenance. The references to the "automatic switching center" within this manual apply to one switching center in particular, the AN/TTC-25. References to a "manual switchboard" apply to both the SB-22 ( )/PT and the SB-86 ( )/P. By this means, technically accurate examples rather than theoretical applications are provided for the user of this manual.

1.1. Indexes of Publications

a. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. Refer to the latest issue of DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the system.

1.2. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Packaging Improvement Report as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DSAR 4145.8.

c. *Discrepancy in Shipment Report* (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 05-38/NAVSUPINST 4610.33A/AFR 75-18/MCO P4610.19B, and DSAR 4500.15.

1.3. Reporting of Errors

Report of *errors,* omissions, and recommendations for improving this publication is authorized and encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q Fort Monmouth, NJ 07703.

1.4. Administrative Storage

For procedures, forms and records, and inspections required during administrative storage of this equipment, refer to TM 740-90-1.

1.5. Destruction of Army Materiel

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

2.0. Purpose and Use

The Converter is a three-channel transistorized, ruggedized, telephone signal converter designed for the Seventh Army Tactical Switching System (SATSS). The Converter is designed for rugged field service and is contained in a shock resistant waterproof case, constructed to prevent damage from dropping or improper handling. The Converter is a self-contained electronic unit which utilizes four D-size battery cells (mounted internally) for power. A carrying strap is provided as an integral part of the Converter for easy transportability in the field. The Converter weighs approximately 27 pounds and can be stack mounted with Manual Switchboard SB-22( )/PT and/or Manual Switchboard SB-86( )/P. The AC signaling circuitry provides comparability with the AN/TTC-25, and AN/TTC-37, and the SB-22( )/PT, or the SB-86( )/P. The Converter is designed to operate with the following equipments:

a. Central Office, Telephone, Electronic AN/TTC-25 and AN/TTC-37

b. Cable, Telephone WM-13( )/U

c. Central Office, Telephone, Manual AN/TTC-15( )

d. Communications Central AN/TSC-41( )

e. Switchboard, Telephone, Manual SB-22( )/PT

f. Telephone Set TA-341/TT

g. Switchboard, Manual SB-86()/PT

h. Cable, Telephone WF-16/U

i. Switchboard, Telephone, Cordless Manual SB - 3082-(V)1/GT. This Converter is designed to translate telephone signals between the automatic switching system and manual two-wire switchboards. The Converter is normally located at the manual two-wire switchboard and is normally connected to any truck selected for Converter termination at the AN/TTC-25 and/or AN/TTC-37 Central Office.