

82B1 TELETYPEWRITER SWITCHING
SYSTEM - MAINTENANCE OF
CUSTOMER OWNED EQUIPMENT

1. GENERAL

1.01 This section outlines the basic procedures for telephone company personnel to perform limited maintenance on customer owned equipment (KW-7 units) used at both switching centers and tributary stations on the U.S. Navy 82B1 Teletypewriter Switching system. The telephone company does not maintain any other customer owned equipment used in conjunction with the system.

1.02 The customer has established requirements for telephone company forces engaged in work operations that involve this equipment. To meet these requirements telephone company personnel must have proper clearance and training. If these requirements are not met, work is not permitted on the equipment or at the location.

2. MAINTENANCE

2.01 The telephone company is responsible for limited maintenance work required on operational KW-7 units located in switching centers and at tributary stations.

2.02 Limited maintenance is generally defined as that maintenance accomplished with spare parts taken from a KWQ-8 kit. Telephone Company personnel are limited to the following:

- (a) Replacement of the power supply plug in unit.
- (b) Replacement of two line relays.
- (c) Replacement of any or all of the 14 circuit cards.
- (d) Exchange of KW-7 units between send and receive circuits.
- (e) All connections to KW-7 units.

2.03 Telephone Company personnel are prohibited from replacing the time standard and filter units.

2.04 Actual work permissible by telephone company personnel is specified in the Navy "Limited Repair and Maintenance Instructions for TSEC/KW-7," KAM 146A/TSEC, chapters 1, 3, 5, 6, and 7. This instruction is

obtained from the communications watch officer, supervisor, or operator at the switching center or tributary station. Use this as a reference for maintenance and as necessary for study or refresher training.

2.05 Perform all work in accordance with the procedures specified in KAM 146A/TSEC and any supplements to the KAM manual. If trouble cannot be cleared by application of the procedures in KAM 146A/TSEC, request the communications watch officer, supervisor, or operator to furnish a replacement KW-7 unit. It is not necessary to remain at the station awaiting the arrival of a new KW-7 unit if an appreciable supply interval is involved. However, definite appointment scheduling is necessary to assure that someone is on hand at the time the unit is scheduled for delivery.

2.06 Spare parts kits (KWQ-8) are held by the customer at all locations and are available for use as needed. When any items are used from the kit notify the customer and request a re-order to keep the kit complete. Return all defective parts to the customer at the location.

3. TRANSPORTING APPARATUS OR MATERIAL

3.01 Telephone company personnel are not to transport spare cards, component parts, or sub-assemblies of any kind associated with the KW-7 units. This includes the complete KW-7 units at the switching center or tributary station location. Movement of apparatus or material is a customer responsibility generally administered through a telephone company request as outlined in 2.05 and 2.06.

3.02 A local request by the customer to deviate from this procedure will require written authorization for compliance. The authorization, prepared by the customer, should spell out the specific details of the requested deviation and have telephone company approval. Refer all requests of this type to your supervisor for evaluation and initiation of a request for written authorization from the customer.

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4. REPORTS

4.01 Written reports are required by the customer for each instance of limited maintenance work on KW-7 units by telephone company personnel. The report is to be prepared on a customer supplied form (BUSHIPS - 10550-1) and left with the customer at the location where the work was performed.

4.02 Refer to KAM 146A/TSEC chapter 3, for the information that is required on the form where limited maintenance is performed to clear trouble.

4.03 For routine maintenance prepare a form as specified in 4.01 with the following items:

(a) Date

(b) Circuit (note whether receive or send unit)

(c) Name of station

(d) Work done (i.e. routine inspection)

4.04 Do not retain any copies of the BUSHIPS-10550-1 form for telephone company use. Detailed descriptions of troubles in the KW-7 units are not to be reported for or recorded in telephone company records. Trouble reports on telephone company equipment remain as normally handled in the past.