DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR TEST SET TS-26/TSM, TS-26A/TSM, AND TS-26B/TSM (NSN 6625-00-244-0502) (NSN 6625-00-594-2103)

Headquarters, Department of the Army, Washington, DC
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*This bulletin supersedes TB 11-6625-223-35/1; 13 May 1971.

SECTION I
IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Test Set TS-26/TSM, TS-26A/TSM and TS-26B/TSM which will be referred to as the "TI" (test instrument) throughout this bulletin.

a. Model Variations. Models differ slightly in electrical and maintenance parts, but all models can be calibrated by this procedure.

b. Time and Technique. The time required for this calibration is approximately 1 hour, using the dc low frequency technique.

2. Calibration Data Card, DA Form 2416. Forms, records, and reports required for calibration personnel at all levels are prescribed by TM 38-750. DA Form 2416 (Calibration Data Card) must be annotated in accordance with TM 38-750 for each calibration performed.

3. Calibration Description. TI parameters and performance specifications which pertain to this calibration are listed in table 1.

Table 1. Calibration Description

Test instrument parameters	Performance specifications
Dc Voltage:	
Ranges	0 to 3,30,300,600
Sensitivity	1,000 ohms per volt
Accuracy	±3 of full scale
Resistance:	
Ranges	0 to 1K ohm (RX1, .35 ohms center scale) 0 to 10K ohm, 0 to 100K ohm, 0 to 1 megohm, 0 to 10 megohm.
Test Voltages*	0 to 10K ohm, 100K ohm, 1 megohm, 4.5 vdc
Accuracy	±10% at midscale.

*This specification is for information only and is not necessarily verified In this procedure.

SECTION II
EQUIPMENT REQUIREMENTS

4. Equipment Required. Table 2 identifies the specific equipment used in this calibration procedure. This equipment is issued with secondary transfer standards calibration set, NSN 6695-00-621-7877, Secondary Transfer Standards Calibration Set AN/GSM256, NSN 4931-00-525-8175, or electronic maintenance shops and is to be used in performing this procedure. Alternate items may be used by the calibrating activity when the equipment listed in table 2 is not available. The items selected must be verified to perform satisfactorily prior to use and must bear evidence of current calibration. The equipment must meet or exceed the minimum use specifications listed in table 2. The accuracy's listed in table 2 provide a four-to-one accuracy ratio between the standard and TI.

5. Accessories Required. The accessory listed in table 3 is issued with secondary transfer standards calibration set, NSN 6695-00-621-7877, Secondary Transfer Standards Calibration Set AN/GSM-256, NSN 4931-00-525-8175, or electronic maintenance shops and is to be used in this calibration procedure. When necessary, this item may be substituted by an equivalent item unless specifically prohibited.