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DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR TELEPHONE TEST SET AN/PTM-7 INCLUDING TS-1323/PT (NSN 6625-00-902-7574)

Headquarters, Department of the Army, Washington, DC

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*This bulletin supersedes TB 11-6625-648-35, 10 August 1977.

SECTION I
IDENTIFICATION AND DESCRIPTION

1-1. Test Instrument Identification. This bulletin provides instructions for the calibration of Telephone Test Set AN/PTM-7 including TS-1323/PT. TM 11-6625-648-12 and TM 11-6625-648-45 were used as the prime data source in compiling these instructions. The equipment being calibrated will be referred to as the "TI" (test instrument) throughout this bulletin.

a. Model Variations. None.

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

1-2. Calibration Data Card (DA Form 2416). *a.* Forms, records, and reports required for calibration personnel at all levels are prescribed by TM 38-750. DA Form 2416 must be annotated in accordance with TM 38-750 for each calibration performed.

b. Adjustments to be reported on DA Form 2416 are designated (R) at the end of the sentence in which they appear. When adjustments are in tables, the (R) will follow the designated adjustment. Report only those adjustments performed and designated with (R).

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

Table 1-1. Calibration Description

Test instrument parameters	Performance specifications
Test Metro	
Current range	0 to 100 microampere
Accuracy	± 5%
Resistance*	2100 ohms ±20%
Dial marking	0 to 10
PCM*	
Impedence (input and output)	62 ohms
Input amplitude	30 mv, pp maximum
	10 mn, pp minimum
Output amplitude	2v peak
Pulse type	Binary dipulse
Pulse rate	230 kHz maximum
Pulse width	205 ns
Order wire*	
Impedence (input and output)	62 ohms
Frequency response	300 to 1,000 Hz
Signaling frequency	1,600 Hz
Transmit level	50 to 270 uv
Voltage measurements	-7.5 vdc and +4.5 vdc
Bridge measurement:	
Range (dial marking)	0 to 6,000 ft. (0-6)
Dial increment	500 ft.
Absolute accuracy	± 4%
Operating temperature:	
Range*	-20° to 125°F.
Normal test	75°F.

'This specification is for information only and is not necessarily verified in this bulletin.