

***TB 9-4931-534-35**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR MISMATCHES, TERMINATIONS, AND ISOLATORS 10 MHz TO 40 GHz (GENERAL)

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*This technical bulletin supersedes TB 9-4931-534-35, dated 21 May 1991, including all changes.

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SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Mismatches, Terminations, and Isolators 10 MHz to 40 GHz (General). The manufacturer's manuals were used as the prime data sources in compiling these instructions. The equipment being calibrated will be referred to as the TI (test instrument) throughout this bulletin.

a. Model Variations. Variations among models are described in Appendix A.

b. Time and Technique. The time required for this calibration is approximately 4 hours, using the dc and low frequency and/or microwave technique.

2. Forms, Records, and Reports

a. Forms, records, and reports required for calibration personnel at all levels are prescribed by TB 750-25.

b. Adjustments to be reported are designated (R) at the end of the sentence in which they appear. When adjustments are in tables, the (R) follows the designated adjustment. Report only those adjustments made and designated with (R).

3. Calibration Description. TI parameters and performance specifications which pertain to this calibration are listed in Appendix A. Any other mismatch, termination, or isolator within the frequency range prescribed in this procedure may be calibrated with these instructions provided the manufacturer's specifications are available.

SECTION II EQUIPMENT REQUIREMENTS

4. Equipment Required. Table 1 identifies the specific equipment to be used in this calibration procedure. This equipment is issued with Secondary Transfer Calibration Standards Set AN/GSM-287 or AN/GSM-705, Secondary Reference Calibration Standards