

REPAIRED EQUIPMENT STANDARD
FOR
TIME INTERVAL APPARATUS EE-85

PROJECT 4422D

1 July 1953

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SIGNAL CORPS ENGINEERING LABORATORIES

FORT MONMOUTH, N. J.

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REP-198

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Standard and is not to be used as a guide for any individual standard. The purpose of this standard is to be considered in conjunction with Signal Corps Repair Standard No. 100-1001, "General Standards for Signal Equipment."

Reports of any discrepancies or any other constructive comments relating to this repair standard are invited. A series of comments and/or notes pages will be found in the back of this standard which are designed to facilitate reporting any discrepancies noted. All such reports or comments as well as requests for additional copies, should be addressed to:

COMMANDING OFFICER
Signal Corps Engineering Laboratories, 2001-2004
FORT MONMOUTH, NEW JERSEY.

SIGNAL CORPS
REPAIR STANDARD

PREFACE

Signal Corps Repair Standards (formerly Signal Corps Repaired Equipment Requirements) are prepared by the Maintenance Engineering Branch, Procurement-Maintenance Engineering Division, Signal Corps Engineering Laboratories, and cover various items of signal equipments which are subject to repair, test and inspection. These repair standards are documents which set forth the specific repair requirements and test standards to be applied to the individual equipments being repaired and tested.

Signal Corps Repair Standards are prepared for the specific use of the fifth echelon Signal Repair Shops in repairing and determining the quality and acceptability of repaired signal equipments covered by these standards. The use of Signal Corps Repair Standards is recommended as a guide and reference for any agency having occasion to repair, test or inspect an item of signal equipment for which a repair standard has been prepared.

Signal Corps Repair Standard No. REP-1001 is a general standard and is subsidiary to any individual standard prepared. No individual standard is to be considered complete in itself, but is to be used in conjunction with Signal Corps Repair Standard No. REP-1001, "General Standards for Repaired Signal Equipment."

Reports of any discrepancies or any other constructive comments bearing upon this repair standard are invited. A series of Comments and/or Notes pages will be found in the back of this standard which are designed to facilitate reporting any inaccuracies noted. All such reports or comments as well as requests for additional copies, should be addressed to:

COMMANDING OFFICER

Signal Corps Engineering Laboratories, SIGEL-PMM-3
Fort Monmouth, New Jersey.

REPAIRED EQUIPMENT STANDARD
FOR
TIME INTERVAL APPARATUS EE-85

I. STATEMENT COVERING APPLICABILITY

This repair standard covers inspection requirements to be used in determining the quality and acceptability of repaired Time Interval Apparatus EE-85. Its use is mandatory in the Maintenance Divisions of Signal Depots and the Signal Sections of General Depots. The use, insofar as limitations of test and calibration equipment permit, is highly recommended for all Signal Repair organizations.

II. APPLICABLE REFERENCES

A. Repair Standards. Applicable paragraphs of the repair standard listed below form a part of this standard:

Title	Number
General Standards for Repaired Signal Equipment	REP-1001

B. Technical Publications. The following technical publication forms a part of this standard to the extent referenced herein:

Title	Number
Time Interval Apparatus EE-56, EE-85, EE-86-A	TM 11-433

III. TEST AND ADDITIONAL EQUIPMENT

The following equipments, or suitable equivalents of known accuracy, will be employed in determining compliance with the requirements of this Signal Corps Repair Standard and will be capable of conforming to their respective Repair Standards:

A. Test Equipment

Equipment	Stock Number	Number Used	REP
Multimeter TS-297/U	3F4325-352	1	-

B. Additional Equipment

Equipment	Stock Number	Number Used	REP
Watch, stop	6Z9281	1	-

IV. REQUIREMENTS

A. General Test Conditions. General test conditions will be as follows:

1. Input voltage shall be 12 volts DC.
2. Battery BA-50 shall be fully charged.
3. Tests shall be conducted at normal room temperature.

B. Operational Requirements. With the battery connected and the toggle switch in the ON position, the following tests shall be conducted successively with the voltmeter across terminals COM-5, 10, 15, 20, 30 and 45. Each test shall be for a period of 90 seconds as checked with a stop watch.

1. With test leads across terminals COM and 5, voltage indication for a duration of one second shall be indicated every five seconds.
2. With test leads across terminals COM and 10, a voltage indication shall be indicated for a duration of three seconds for the last three seconds of each ten second interval.
3. With test leads across terminals COM and 15, a voltage indication shall be indicated for a duration of three seconds for the last three seconds of each fifteen second interval.
4. With test leads across terminals COM and 20, a voltage indication of one second duration shall be indicated for the 15th second and for duration of three seconds for the last three seconds of each twenty second interval.

5. With test leads across terminals COM and 30, a voltage indication of one second duration shall be indicated for the 25th second and for a duration of three seconds for the last three seconds of each thirty second interval.

6. With test leads across terminals COM and 45, a voltage indication of one second duration shall be indicated for the 40th second and for a duration of three seconds for the last three seconds of each forty-five second interval.

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