

**SENDER TEST SET
AND REGISTER AND CAMA SENDER TEST SETS
EQUIPMENT DESIGN REQUIREMENTS
NO. 5 CROSSBAR SYSTEM**

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the equipment and circuits to be used in the manufacture of a sender test set for testing dial pulse, revertive pulse, multifrequency pulse, and panel call indicator senders, and of register and CAMA sender test sets for testing dial pulse, multifrequency pulse, revertive pulse, central B revertive incoming registers, dial pulse originating registers, and CAMA senders.

1.02 This specification is reissued to provide for the testing of originating registers arranged for range extension for unigauge cabling, per SD-25676,01, Issue 14D.

Description

1.03 The sender test set is a portable set used in conjunction with the sender test circuit, the master test control circuit, and a signal receiving circuit for testing dial pulse, revertive pulse, multifrequency pulse, and panel call indicator senders. It controls the test and indicates the progress of the test and the number outputted by the sender. Two 20-conductor cords are furnished with the test set for connecting it to the sender test circuit. Jack appearances for cord connection are furnished on the master test frame control bay and on each of the sender frames having any of the senders listed above. The sender test set is contained in an aluminum case approximately 10 inches long, 8 inches wide, and 6 inches high with cover. Apparatus is mounted on a panel in the lower part of the test set case. The test set may be attached to a rolling ladder step by fastening it to the side of the ladder with a strap.

1.04 The register and CAMA sender test set is a portable set that may be used in conjunction with the incoming register test circuit, the trouble recorder, a telephone set, and the pulse generating test set for testing dial pulse, multifrequency pulse, and revertive pulse incoming registers. It may also be used in conjunction with the incoming register test circuit, a telephone set, and the trouble recorder for testing central B revertive incoming registers. One 20-conductor cord is furnished with the test set for connecting it to the incoming register test circuit for testing incoming registers. Twenty-conductor jack appearances for cord connection are furnished on the master test frame control bay and on each of the incoming register frames.

1.05 The register and CAMA sender test set may be used in conjunction with the trunk test circuit, the master test control circuit, the trouble recorder, a telephone set, and the pulse generating test set for testing dial pulse originating registers. One 3-conductor cord is furnished with the test set for connecting it to the trunk test circuit for testing originating registers. Three-conductor jack appearances for cord connection are furnished on the master test frame control bay and on each of the originating register frames.

1.06 The register and CAMA sender test set may also be used in conjunction with the master test control circuit, the register test circuit, and the trouble recorder to test CAMA sender.

1.07 The register and CAMA sender test set is contained in an aluminum case approximately 12 inches long, 9 inches wide, and 7 inches high with cover. Apparatus is mounted on a panel and on an associated mounting plate; both are mounted in the lower part of the test set case. The test set may be attached to a rolling ladder

step by fastening it to the side of the ladder with a strap.

2. SUPPLEMENTARY INFORMATION

819-000-000 — Numerical Index — No. 5
Crossbar system

AA128.006 — List of General Equipment
Requirements Sections

J23258 (819-704-150) — Incoming Register Test
Circuit and Sender Test Circuit
Mounted on Control Bay — Master
Test Frame — No. 5 Crossbar System

3. DRAWINGS

Keysheet

SD-25760-01 — Crossbar System No. 5

Circuits

SD-25674-01 — Sender Test Set Circuit
SD-25676-01 — Test Set Circuit for Register
and CAMA Circuits

Equipment

J24756A-() — Sender Test Set
J24756B-() — Register and CAMA Sender
Test Set
J24756C-() — Register and CAMA Sender Test
Set for AUTOVON

4. EQUIPMENT

J24756A (AT&T Co Std) — Sender Test Set

Equipment — J24756A-()

List 1 — Assembly, wiring, and equipment for
one test set per SD-25674-01, Fig. 1.
(See notes A, B, and 5.03.)

List 2 — Wiring and equipment per SD-25674-01,
Fig. 3 required in addition to list 1
when revertive pulse senders are to be
tested.

Notes

A. The following patching cords shall be fur-
nished as part of this test set.

Two — W20C Cord

B. No cord is provided for connection to the
REC (receiver) jacks. It is intended that an
operator telephone set or a receiver equipped
with a cord having a dual plug be used.
These items are to be obtained locally.

J24756B (AT&T Co Std) — Register and CAMA Sender Test Set

Equipment — J24756B-()

List 1 — Assembly, wiring, and equipment for
one test set per SD-25676-01, Fig. 1, 2,
and 3 less "ZQ" option. (See Note A
and General Notes 5.01, 5.02, and 5.03.)

List 2 — Assembly, wiring, and equipment per
SD-25676-01, Fig. 3, "ZS" option, re-
quired in addition to list 1 where origi-
nating registers arranged for range ex-
tension for unigauge cabling are to be
tested.

Note:

A. Wiring per SD-25676-01, Fig. 3, "ZR" option,
required in addition to list 1 when list 2 is
not provided.

J24756C (AT&T Co Std) — Register and CAMA Sender Test Set for AUTOVON

Equipment — J24756C-()

List 1 — Assembly, wiring, and equipment for
one test set per SD-25676-01, Fig. 1, 2,
3, and "ZQ" option. (See Note A and
General Notes 5.01, 5.02, and 5.03.)

List 2 — Assembly, wiring, and equipment per
SD-25616-01, Fig. 3, "ZS" option re-
quired in addition to list 1 where origi-
nating registers arranged for range ex-
tension for unigauge cabling are to be
tested.

Note:

A. Wiring per SD-25676-01, Fig. 3, "ZR" option,
required in addition to list 1 when list 2 is
not provided.

5. GENERAL NOTES

5.01 The following patching cords shall be
furnished with test sets J24756B and
J24756C.

One — W20C Cord

Two — 3P15A Cords

5.02 On test sets J24756B and J24756C, connection to the PLS (pulsing) jack is made by means of a cord furnished with the pulse generator test set.

5.03 With test sets J24756A, J24756B, and J24756C, a detachable ladder strap per ED-91107-01, Group 4 may be used. When used,

it shall be attached to the handle on one end of the set when the set is placed on a ladder and fastened to the handle on the opposite end of the set in such a manner as to securely hold the set in place on the ladder step. This strap is not furnished with the test sets and, if desired, must be ordered separately.

Bell Telephone Laboratories, Incorporated

Dept 2314