PERFORMANCE REQUIREMENTS

AUXILIARY SENDER AND AUXILIARY SENDER LINK CIRCUIT

PANEL AND NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers the performance requirements for auxiliary senders and auxiliary sender link circuits in panel and No. 1 crossbar offices.

1.02 Reference shall be made to Section AA630.001, covering general performance requirements, for additional information necessary for the proper application of the requirements listed herein.

1.03 Reference shall be made to Section A264.468, A271.176 for miscellaneous tests of the auxiliary senders. These tests are part of the required supplementary tests.

1.04 Reference shall be made to Section A264.168, A271.171 for miscellaneous tests of the auxiliary sender links. These tests are part of the required supplementary tests.

2. ROUTINE AND SUPPLEMENTARY TEST REQUIREMENTS

2.01 Routine Test Performance: The requirements specified in the following Table A shall be met at the time of turnover.

TABLE A

ROUTINE									SUPPLEMENTARY		
					Performance						
Routine No.	Name of Test	Paragraph No.	Frequency in Working Days Min	Frequency in Working Days Max	Max Cum Per Cent Failure	Over Last No. of Cycles	See Note No.	Name of Test	Paragraph No.	Interval in Weeks Before Turnover
2725	Auxiliary Sender									
2725-A	Ten Digit - No Skip	3.01	1-1	See Note 1	0.2	See Note 2	4,6			
2725-B	Ten Digit - Skip 3	3.01	1-5	See Note 1	0.3	See Note 2	5	Time-out on Partial Dial	3.02	2
2725-C	Seven Digit - No Skip	3.01	1-10	See Note 1	0.3	See Note 2	5			
2725-D	Seven Digit - Skip 3	3.01	1-10		0.3	See Note 2	5	Time-out at Trunk Test	3.02	2
2725-E	Seven Digit - Skip 2	3.01	1-10	See Note 1	0.3	See Note 2	5	Miscellaneous Tests	3.02	2
2725-F	Wipe Out After Dialing Completed	3.01	1-10	See Note 1	0.3	See Note 2				
2725-G	Wipe Out During Outpulsing	3.01	1-10	See Note 1	0.3	See Note 2				
2726	Auxiliary Sender Link									
2726-A	Sender Connection	3.03	2-1	5-1	Clear	10	3	Link Verification	3.04	-
								Miscellaneous Tests	3.04	2

Note 1: The maximum number of auxiliary sender routine cycles allowable in one day is determined by multiplying the number of subscriber senders having access to the auxiliary sender group by two and dividing by the number of auxiliary senders in the group. For example, if there are 157 subscriber senders and six auxiliary senders, the maximum cycles in one day is $\frac{157 \times 2}{6}$ or 52-1/3. If the number is a whole number and a fraction, add one to the whole number. This method of determining the maximum frequency permits two full rounds of subscriber sender tests in one day.

Note 2: The final number of cycles over which the cumulative per cent failure is to be computed shall be one and a half times the number of routine cycles allowed in one working (calendar) day.

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Note 3: One round of subscriber sender test is also one cycle of link routine test.

Note 4: Use available Direct Distance Dialing codes to check, when possible, 2 to 9 on ACA and ACC digits. Rotate numerical digits to check 1 to 9 and 0 on T and U digits.

Note 5: Required only when service call of this class is available.

Note 6: On alternate cycles, set test circuit for maximum dial speed and minimum per cent break, and minimum dial speed and maximum per cent break.

3. DESCRIPTION OF ROUTINE AND SUPPLEMENTARY TESTS

A. Auxiliary Sender Tests

3.01 Routine No. 2725 Auxiliary Senders: All features as covered by the subscriber and auxiliary sender test circuit, when set for the particular class of call No. 2725-A to 2725-G, inclusive.

3.02 Supplementary Test of Auxiliary Senders

(a) Test auxiliary sender timing by means of the sender test circuit.

(b) Miscellaneous tests.

(c) All wiring and operating features not covered by the routine and other supplementary tests of the auxiliary senders.

B. Auxiliary Sender Link Tests

3.03 Routine No. 2726 Auxiliary Sender Links: All features as covered by the routine test of the auxiliary senders.

3.04 Supplementary Tests of Auxiliary Sender Links

(a) Link verification. Make one round of subscriber sender routine tests, using each auxiliary sender in turn on a particular circuit basis.

(b) Miscellaneous tests.

(c) All wiring and operating features not covered by the routine and other supplementary tests of the auxiliary senders.

C. Miscellaneous Tests

3.05 Supplementary Test of Verification of Fusing: A check shall be made to verify all fusing.

3.06 Supplementary Test of Alarm Circuits: Each alarm or signal circuit shall be checked for correct operation in connection with the equipment with which it is used.

3.07 Supplementary Test of Make-busy Features: A test shall be made to verify the make-busy features of all circuits.

3.08 Supplementary Test of Relay Interrupter: A check shall be made of the per cent break, speed, and timing requirements specified for all relay interrupters.

3.09 Supplementary Test of Contact Protection and Surge Absorption Features: Where a capacitor, resistor (except non-inductive resistance which is part of an assembled coil), inductor, or combination of these is used in a circuit for contact protection or surge absorption, a check shall be made of these features.

3.10 Supplementary Test of Tone Circuits: A test shall be made of all tone circuits for foreign battery and ground and for crosses with other tones.

3.11 Supplementary Test of Traffic Register Cross Connections: A check shall be made to verify that each traffic register is associated with the proper circuit or circuits.

3.12 Supplementary Test of Traffic Usage Recorder Connections: A check shall be made of the traffic usage recorder connections and that the correct signals are connected to them by the circuits involved.

3.13 Supplementary Test of Lamp Circuits: A check shall be made of the proper functioning of all lamps and of the lamp operating paths in the circuits involved.

3.14 Supplementary Test of Crosspoints: Check each crosspoint on each crossbar switch to verify all switch strapping.

3.15 Supplementary Test of Parallel Wiring: Verify the continuity and proper connection of all parallel wiring, provided it is not necessary to disconnect any shop wiring.

3.16 Supplementary Test of Multiple: The multiple shall be free from crosses, foreign battery, or foreign ground, and shall have proper continuity. The multiple shall also be free of false continuity at relay contacts.