

INDEX OF TESTS  
 TERMINATING SENDER TEST FRAME,  
 FS, "B", MFKP, DIAL AND CENTRAL "B"  
 SENDERS

1. GENERAL INFORMATION

1.1 This section with Sections 3A to 3E list the tests to be applied to the terminating sender test frame, full selector senders, "B" position senders, multi-frequency senders, dial pulse senders, central "B" position senders, (terminating part) and "B" position circuits in number 1 crossbar offices. Performance requirements are listed, as is the list of test sets required, however cords and accessories are not included, reference shall be made to the detailed methods for these items.

1.2 Test Planning and Control: Refer to Section 0 of Handbook 61 for information required prior to planning or conducting job test operations.

1.3 Sequence of Tests: In general it is recommended that the tests be applied in the order indicated by the arrangement of tests in Sections 3A to 3E, unless specific instructions in the individual test methods require a different sequence.

1.4 Notes: Any notes referred to in the "See Notes" column of Sections 3A to 3E are listed below.

2. REQUIREMENTS

2.1 Tests listed in this summary conform to the requirements of BSP AA634.001 Performance Requirements Section for No. 1 Crossbar Equipment. A copy of this BSP is included in Handbook 61 as Section 10.

3. SUPPLEMENTARY TESTS

3.1 Sections 3A to 3E list all the supplementary tests required on this equipment.

4. ROUTINE TESTS

4.1 Table 1 shows the routine requirements which the equipment is to meet. Sections 3B to 3E list the information necessary for making the tests.

TABLE 1

Name of Circuit	Routine No.	Frequency		% Fail.	Performance		Test Set Required	Test Methods	
		Min.	Max.		Last No. of Cycles	Ave. No. Cycles Req'd		Sect.	Para.
Full Selector Sender	2750	1-5	1-1	Clear	2	6	Term.Sdr.Test Fr. SD-25159	222	4
"B" Sender	2751	1-5	1-1	Clear	2	6	"	223	4
"B" Position Circuits	2760	1-5	1-1	Clear	2	6	"	321*	6 or 7
Dial Pulse Sender	2752	1-5	1-1	Clear	2	4	SD-25159	227	10
MF Key Pulse Sender	2753	1-5	1-1	Clear	2	5	"	228	10
Central B Switch-board Sender (Terminating Part)	-	1-5	1-1	Clear	2	5	"	229	10

\*In Handbook 63.

NOTE 1: The test of the multi-frequency supply circuit should be made in conjunction with the tests of the receiver circuits described in Handbook 50 Section 31.

NOTE 2: The tests of the B position circuit are described in Handbook 63 Section 321. The routine test is listed on this sheet to facilitate the test and recording of the tests as part of the test frame operations.

R. E. RAHMES  
 Engineer of Installation

Reason for Reissue:  
 To rearrange information, change section number and list 3A to 3E.

Replaces in part Section 0.2 dated 1-20-49.

INDEX OF TESTS - SUPPLEMENTARY  
 TERMINATING SENDER TEST FRAME

NO. 1 CROSSBAR	TOWN AND STATE	OFFICE	ORDER NO.	AREA	JOB TURNOVER DATE					
NAME OF CIRCUIT OR TEST	INTVAL. BEFORE T'OVER	ID-1313 FILE NO.	TEST		TEST SET	DATE COMPLETED	NO. TBLES	SEE NOTE	TEST U.	NO. U.
			SECT.	PARA.					A	B
RESISTANCE MEASUREMENTS		S1	221	3.	ITE-1883				FR.	
FUSING		S2	221	4.1					"	
FUSE ALARM		S3	221	4.2					"	
FRAME LINE		S4	221	4.3					"	
FRAME TEST BATTERY AND A JACK		S5	221	4.4					"	
SPARE B JACK		S6	221	4.5					"	
FRAME LINE D JACK		S7	221	4.6					"	
CONTACT PROTECTION		S8	221	4.7	ITE-8253				"	
TYPE OF SENDER INDICATION		S9	221	4.8					"	
SENDER SUB-GROUP BUSY TEST		S10	221	5.1					"	
FRAME INDICATION		S11	221	5.2					"	
BATTERY AND GROUND CHAINS		S12	221	5.3					"	
RELEASE SIGNAL CHECK		S13	221	5.4					"	
CHECK ADVANCE OF PREF. LEAD		S14	221	5.5					"	
CHECK FOR CROSSES ON SC RELAY		S15	221	5.6					"	
GROUP MAKE BUSY		S16	221	5.7					"	
CHECK OF TROUBLE RELEASE		S17	221	5.8					"	
REVERTIVE PULSE TST. CIRCUIT		S18	221	6					"	
B SDR. TEST CIRCUIT		S19	221	7					"	
DIAL PULSE TEST CIRCUIT		S20	221	8					"	
REGISTER CHECK CIRCUIT		S21	221	9					"	
MULTI-FREQ. CURRENT SUP.		S22	221	10				1	"	
REORDER - MF SDRS.		S23	221	11					"	
MULTI-FREQ. PULSING TST. CIRCUIT		S24	221	12					"	
TEST CALLS CLASS KEYS 3-4		S25	221	13.01					"	
MAJOR ALARM		S26	221	13.02					"	
ALARM CUT-OFF		S27	221	13.03					"	
SENDER SELECTION SEQUENCE		S28	221	13.04					"	
PASS BUSY		S29	221	13.05					"	
PARTICULAR CIRCUIT		S30	221	13.06					"	
CONTROL ADVANCE		S31	221	13.07					"	
REMOTE CONTROL		S32	221	13.08					"	
REPEAT TST-REPEAT R TST		S33	221	13.09					"	
SPECIAL CALL TST. CLI KEY		S34	221	13.10					"	
RETURN TO NORMAL-FR. BLK. D		S35	221	13.11					"	
END OF GRP. FIG. AM-ZM		S36	221	13.12					"	
PASS SDR. GRPS. -FIG. AM-ZM		S37	221	13.13					"	
TST SDR PLUGGED BUSY		S38	221	13.14					"	
TST SDR WITH HOLD PLUG		S39	221	13.15					"	
SXS REGISTRATION		S40	221	13.16					"	
DIALING FROM SDR. DP		S41	221	13.17					"	
DIAL TONE DP SDR.		S42	221	13.18					"	
INTERDIGITAL T.O. FIG. AZ "FS"		S43	221	13.19					"	
KPL-KP3-KP4 RLY PLSG		S44	221	14	ITE-4029				"	
REGISTERS		S45	221	15					"	

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REMARKS

NEW JOB

ADDITION

APPROVED \_\_\_\_\_



1D-2233 (10-51)  
 HANDBOOK 62  
 WESTERN ELECTRIC COMPANY  
 INCORPORATED  
 INSTALLATION DIVISION

INDEX OF TESTS-SUPPLEMENTARY-ROUTINE  
 "B" TERMINATING SENDERS AND  
 "B" POSITION ROUTINE

SECTION 3C  
 DATE 10-18-51

NO. 1 CROSSBAR	TOWN AND STATE	OFFICE	ORDER NO.	AREA	JOB TURNOVER DATE					
					TEST U. NO. U.	A B				
NAME OF CIRCUIT OR TEST	INTVAL. BEFORE T'OVER	ID-1313 FILE NO.	TEST		TEST SET	DATE COMPLETED	NO. TABLES	SEE NOTE	TEST U. NO. U.	
			SECT.	PARA.					A	B
FUSING		S1	223	3.1						SDR.
CONTACT PROTECTION		S2	223	3.2	ITE-8253					
RESISTANCE CHECK (A AND B)		S3	223	3.31						
RESISTANCE CHECK (N AND P)		S4	223	3.32	ITE-1883					
RESISTANCE CHECK (F)		S5	223	3.33						
RESISTANCE CHECK (J)		S6	223	3.34						
RESISTANCE CHECK L		S7	223	3.35	ITE-4034					
RESISTANCE CHECK T AND R		S8	223	3.36						
(S) LAMP CHECK		S9	223	5.11						
TEST OF LEADS TO MARKER		S10	223	5.12						
TEST OF MB JACKS		S11	223	5.13						
BS LEAD CHECK		S12	223	5.14						
REMOTE CONTROL CHECK		S13	223	5.15						
POSITION FINDER MULTIPLE		S14	223	5.16						
TESTING SENDERS WITH HOLD PLUGS		S15	223	5.17						
REGISTER RE-SET		S16	223	5.18						
TIME OUT		S17	223	5.19						
NIGHT ALARM		S18	223	5.21						
TEST OF A-B-D JACKS		S19	223	5.22						
TEST OF TEL. JACKS		S20	223	5.23						
HOLDING TIME RECORDER LEAD		S21	223	5.24						
FUSE ALARM		S22	223	5.25						
T JACK (FIG. C)		S23	223	5.26						
ALL SENDERS BUSY REGISTER		S24	223	5.27						
CHECK OF FRAME RELAYS		S25	223	5.28						
TM INTERRUPTER		S26	223	5.29						
ALL POSITIONS VACANT		S27	223	5.30						
ROUTINE "B" SDRS.	CYCLE 1	R1.1	223	4	SDR-TST-FR					SDR.
#2751	2	R1.2	223	4	SD-25159-01					
	3	R1.3	223	4	"					
	4	R1.4	223	4	"					
	5	R1.5	223	4	"					
	6	R1.6	223	4	"					
ROUTINE "B" POSITION	CYCLE 1	R1.1	321	6-7	SDR-TST-FR					POS.
#2760	2	R1.2	321		SD-25159-01					
	3	R1.3			"					
	4	R1.4			"					
	5	R1.5			"					
	6	R1.6			"					

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10-2235 (10-51)  
 HANDBOOK 62  
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 INSTALLATION DIVISION

INDEX OF TESTS-SUPPLEMENTARY-ROUTINE  
 DIAL PULSE AND CENTRAL "B" SENDERS

SECTION 3E  
 DATE 10-18-51

NO. 1 CROSSBAR	TOWN AND STATE	OFFICE	ORDER NO.	AREA	JOB TURNOVER DATE					
NAME OF CIRCUIT OR TEST	INTVAL. BEFORE T'OVER	10-1313 FILE NO.	TEST		TEST SET	DATE COMPLETED	NO. TABLES	SEE NOTE	TEST U. NO. U.	
			SECT.	PARA.					A	B
DIAL PULSE TERMINATING SENDER										
FUSING		S1	227	4					SDR.	
CONTACT PROTECTION		S2	227	5	ITE-8253				"	
MB JACKS		S3	227	6					"	
CROSSED AND OPEN OFF. IND. LEADS		S4	227	7					"	
CROSSED AND OPEN FRAME IND. LEADS		S5	227	8					"	
TIME MEASURE TS INTERRUPTER		S6	227	9.1					"	
TIME MEASURE REORDER		S7	227	9.2					"	
ALARM		S8	227	9.3					"	
SPECIAL CALL		S9	227	11					"	
MULTI-CONTACT RELAYS		S10	227	12					"	
MISC. CIRCUITS		S11	227	13					"	
FUSE ALARM		S12	227	14					"	
HOLDING TIME RECORDER TERM.		S13	227	15					"	
CENTRAL "B" SWBD. SDR. (TERM. PART)										
FUSING		S1	229	3					SDR.	
CONTACT PROTECTION		S2	229	4	ITE-8253				"	
MB JACKS		S3	229	5					"	
STP AND GR RELAY PULSING		S4	229	6					"	
CROSSED OFF. IND. LEADS		S5	229	7					"	
CROSSED AND OPEN FRAME IND. LEADS		S6	229	8					"	
TS INTERRUPTER		S7	229	9.1					"	
ALARM		S8	229	9.2					"	
MULTI-CONTACT RELAYS		S9	229	11					"	
MISCELLANEOUS FRAME		S10	229	12					"	
HOLDING TIME RECORDER TERMINAL		S11	229	13					"	
ROUTINE DP SDR										
	CYCLE 1	R1.1	227	10	SDR-TST-FR				SDR.	
#2752	2	R1.2	227		SD-25159-01				"	
	3	R1.3	227		"				"	
	4	R1.4	227		"				"	
	5	R1.5	227		"				"	
ROUTINE CENT. "B" SDR. CYCLE 1										
	1	R1.1	229	10	SDR-TST-FR				SDR.	
	2	R1.2	229		SD-25159-01				"	
	3	R1.3	229		"				"	
	4	R1.4	229		"				"	
	5	R1.5	229		"				"	

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