FALSELY GROUNDED TERMINATING SENDER LINK FC LEAD

NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to a grounded FC lead in the terminating sender link.

1.02 This section is reissued to revise the methods of analyzing, locating and clearing the trouble and to make minor revisions in the trouble indicator record.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Terminating trouble indicator records.

3. REACTIONS DUE TO TROUBLE

3.01 The individual call involved fails to complete.

3.02 One group of incoming trunks on the frame involved may be unable to serve calls. ←

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

4.02 Block incoming trunks. In this case, this should be done by inserting a make busy plug into the GB (group busy) jack on the terminating sender link frame. If a 160 trunk frame is involved the trunk group in trouble may be on the auxiliary frame.

4.03 Make terminating sender group busy. ←

5. ANALYSIS OF TROUBLE

5.01 A false ground on the FC lead of a sender link causes premature operation of the F relay of an associated trunk. This operates the LC relay of the incoming link and connector circuit. When calls occur on this link, a trouble indicator record is caused.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Determine sender group and trunk group involved by analysis of trouble indicator records.

6.02 Make busy terminating sender group.

6.03 Determine link in trouble by inspection and test.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Grounded FC lead on the terminating sender link secondary switch.

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FORM-2624(7-39)

TERMINATING TROUBLE INDICATOR RECORD
CROSSBAR OFFICES

OFFICE _____

DATE _____ SHEET NO. ____

NO.	TI	CT	DT	GR	DR	DL	CF	CN	SN	TH	H	T	U	F	TR2	RO	OAB	NGC	HB	HP	L	JF	JC	AL1	AL2	LCF	LLG	LOG	HF	RF	TF	CA	CB	IF	LC	M	CH	LJ	JPN	JP	JG	FS	MAN	TOL	CN	RC	RV	RP	TC
1	✓				2	0	1	0	3	4	4	4	4	3				2	13	4	4			✓		0	A			✓		2		3	1,4	0135	4	3	✓		A	✓				✓			
2	✓				0	2			0	2	0	0	0	3				1	4	0	0			✓		4	C			✓			2	3	1,2	0127	0	2			A	✓				✓			
3	✓				0	2	0	1	2	1	2	4	3	3				0	12	2	3			✓		1	B			✓		4		3	1,8	0159	3	0	✓		A	✓				✓			
4	✓				2	0	0	0	1	4	8	0	1	3				2	0	0	1				✓	2	A			✓		3		3	1	0139	1	4	✓		A	✓				✓			
5	✓				2	1	1	1	4	2	0	0	0	3																																				
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15 Column A - Trouble indication.
16 Column B - Any marker.
17 Column G - With LC and M lamps on incoming frame 3 and XPS lamp in column S, this indicates a falsely grounded FC lead.
18 Columns D,E,F,H,I,J,K,L,M,N,O,P,Q,R - Have no significance.
19 Column S - With XFC lamp in Column S, sender group is indicated in Column C
20
21
22
23
24 A B C D E F G H I
25

NO.	LIN	LTI	TIN	TTI	OF	BB	SPL	NC	NT	NTX	NH	NHX	NN	NNX	NTT	GS	IP	IT	IPT	PN	TN	PTN	CKG	K1	K2	K3	TBK	LE	FC	AK	TK	LIL	RIL	TE	BC	GJ	SL	GC	GLH	CON	GT2	RL	PG	MKO	MKI	FL	NFL	AL	NAL	LTR	HTR	SDT	TCT	TRL	FCG	X	TIME
1																							✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓																						XPS	5:00
2																							✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓																						XPS	5:03
3																							✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓																						XPS	5:08
4																							✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓																						XPS	5:11
5																							✓	✓	✓	✓																															XFC	5:13
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12 **Analysis of Indication:** The XPS and XFC lamp indication with LC, and M lamps indicates a falsely grounded FC lead.
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14 **Immediate Procedure to Follow:** Make incoming trunks busy by plugging the particular GB jack, or make busy the sender group. (On a 160
15 trunk frame it may be necessary to plug the GB jack on the auxiliary sender link frame.)
16
17 **Procedure for Locating and Clearing Trouble:** Determine group of trunks by analysis. Determine link in trouble by analysis or tests.
18 Make link in trouble busy and restore trunks to service.
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24 J K L M N O P Q R S
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