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OPTION INDEX			
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Z	1		B1
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V	1		B1
T	1		B1
S	1		B1
R	1		B1
Q	1		B1
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H	1		B1
G	1		B1
F	2		APP FIG. 1, AS 1
E	2		APP FIG. 1, AS 1
D	3B		APP FIG. 1, AS 1

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1 APPX -	7-8-94		
2B	2 APPX -	3-13-96		
3B	2 APPX IB	04-09-98		

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

SUPPORTING INFORMATION				SHEET INDEX NOTES
SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.	
5ESS	IH			1. ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX. 2. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1. 3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

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BT13

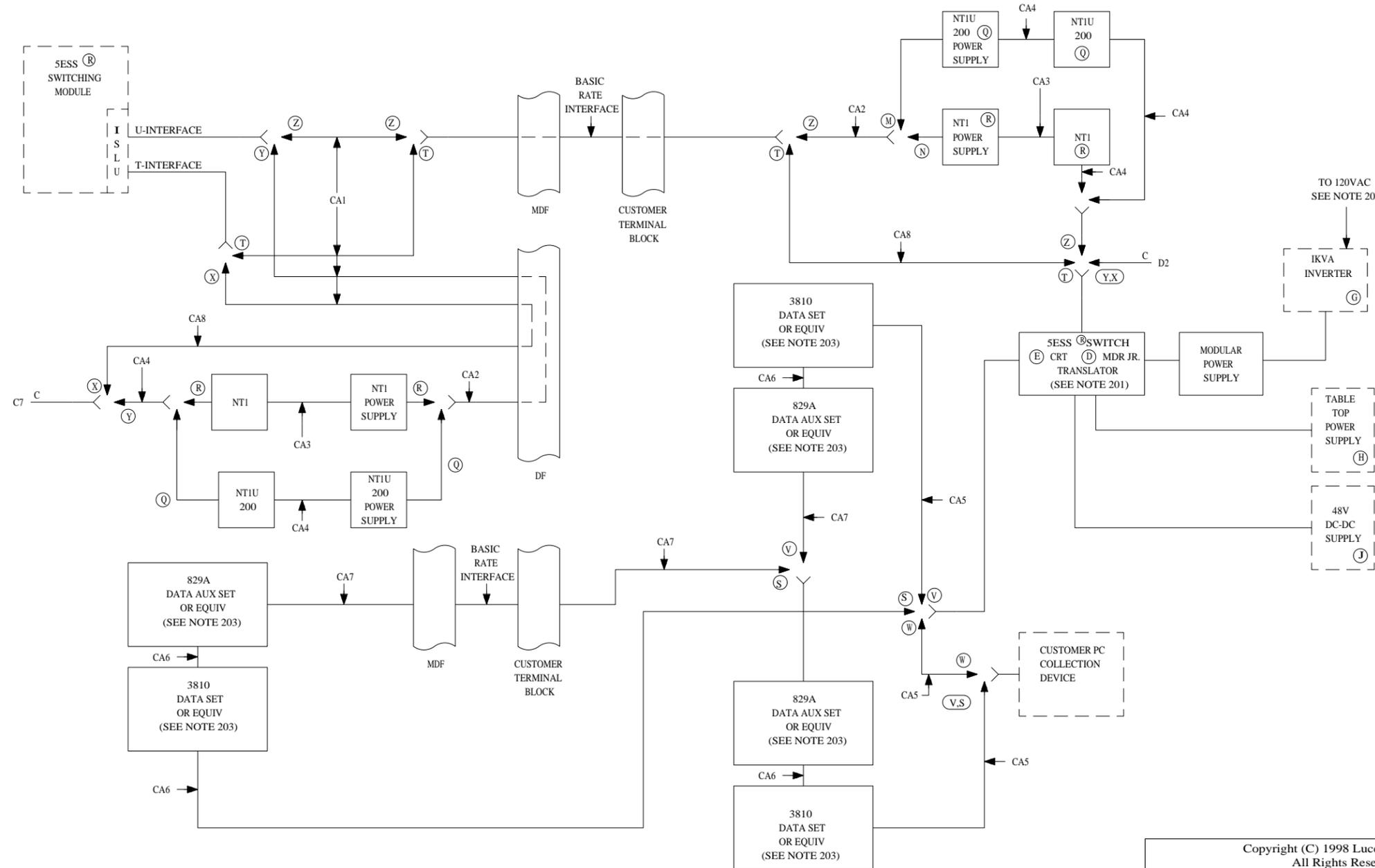
**ELECTRONIC SWITCHING SYSTEMS
5ESS[®] SWITCH
MESSAGE DETAIL RECORDING
TRANSLATOR JR (MDR JR)
APPLICATION SCHEMATIC**

DWG SIZE C2	ISSUE 3B
Lucent Technologies SD-5D539-01	
SHEET 5 A1	

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AS 1

SESS[®] SWITCH CRT OR MDR JR.
TRANSLATOR APPLICATION PROCESSOR



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MESSAGE DETAIL RECORDING TRANSLATOR JR (MDR JR)		DWG SIZE C2
Lucent Technologies		ISSUE 3B
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APP FIG 1

UNIT

OPTION	DESIG	EQPT LOC	AS LOC	CODE
E			AS 1	5ESS [®] CRT TRANSLATOR
R			AS 1	NT1
Q			AS 1	NT1U 200
J			AS 1	48V DC-DC SUPPLY
H			AS 1	TABLE TOP POWER SUPPLY
G			AS 1	1KVA INVERTER
F			AS 1	5ESS [®] MDR JR TRANSLATOR (DA)
D			AS 1	5ESS [®] MDR JR TRANSLATOR (DA) (601864564)

SET

OPTION	DESIG	EQPT LOC	AS LOC	CODE
			AS1	829A DATA SET
			AS1	3810

POWER SUPPLY

OPTION	DESIG	EQPT LOC	AS LOC	CODE
Y, Z			AS 1	353A WM113 (ELPAC POWER SUPPLY)

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MESSAGE DETAIL RECORDING
TRANSLATOR JR (MDR JR)

DWG SIZE	ISSUE
C2	3B

Lucent Technologies

SD-5D539-01

SHEET
C1

CIRCUIT NOTES:

101.	DESIG	FUSE AMP	POTENTIAL	ONE PER
	BATTERY SYMBOL		VOLTAGE RANGE	

EQUIPMENT NOTES:

201. THE FOLLOWING CABLES ARE RECOMMENDED FOR SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR APPLICATION PROCESSOR APPLICATIONS.

CABLE DESIG	EQUIPMENT TO BE CONNECTED		CABLE TYPE
CA1	SESS (R) SWITCH MODULE TO MDF OR DF	FOR 711 TYPE CONNECTOR	ED-5D621-11, G21-24
		FOR SWC TYPE CONNECTOR	ED5D621-11, G21A-24A
		FOR TRW TYPE CONNECTOR	ED5D621-11, G21B-24B
CA2	DISTRIBUTING FRAME TO NT1 POWER SUPPLY		ED5D621-11, G21
CA3	NT1 POWER SUPPLY TO NT1		D6AP-87 CORD
CA4	NT1 TO SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR NT1U200 TO NT1 POWER SUPPLY NT1U200 TO CRT OR MDR JR. TRANSLATOR		D8W-87 CORD
CA5	SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR TO DATA SET		M25A-87 CORD (MALE - FEMALE) OR M25B-87 CORD (MALE - MALE)
	DATA SET TO COLLECTION DEVICE		
CA6	SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR TO COLLECTION DEVICE		B25A CABLE
	DATA SET TO DATA AUX SET		
CA7	DATA AUX SET TO MDF OR CUSTOMER TERMINAL BLOCK		812A CABLE
	DATA AUX SET TO DATA AUX SET		
CA8	SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR TO DF OR CUSTOMER TERMINAL CLOCK		ED-5D621-11, G82

202. THE MAXIMUM DISTANCE (WIRING LENGTH) BETWEEN THE SESS (R) SWITCH MODULE AND SESS CRT OR MDR JR. TRANSLATOR IS:

FOR "T" INTERFACE (4 WIRE): 1 KILOMETER
FOR "U" INTERFACE (2 WIRE): 6.5 KILOMETERS

203. A DATA SET MOUNTING IS REQUIRED FOR USE WITH THE DATA SET/DATA AUXILIARY AS FOLLOWS:

DATA SET OR DATA AUX SET	DATA MOUNTING
829A	44A2
3810	STAND ALONE

204. WHEN THE SESS (R) SWITCH CRT OR MDR JR. TRANSLATOR IS LOCATED IN THE CENTRAL OFFICE, THE RECOMMENDED LOCATION IS THE DATA SET CABINET ED-5D522-31.

205. IF CUSTOMER REQUIRES UNINTERRUPTIBLE SERVICE, PROTECTED AC IS RECOMMENDED.

206. A BASIC TRANSLATOR APPLICATION PROCESSOR REQUIRES THE USE OF A CRT OR MDRJR TRANSLATOR (MESSAGE DETAIL RECORDING). THE PHYSICAL SIZE IS 2.5"H X 10.25"W X 9.8"L. THE CURRENT AVAILABLE TRANSLATOR IS:

OPTION F, ED-5D709-30, G12 (DA).
OPTION D, ED-5D709-30, G19.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

FEATURE OR OPTION	PROVIDE	
	APP FIG	APP OR WRG
CRT OR MDR JR. TRANSLATOR		
U-INTERFACE (SEE NOTE 202)	ON CUSTOMER PREMISE	SESS SWITCH CRT OR WITHIN 50FT OF COLLECTION DEVICE
		SESS SWITCH CRT OR MDR JR. TRANSLATOR IS FARTHER THAN 50FT OF COLLECTION DEVICE
	IN CENTRAL OFFICE	SESS SWITCH CRT OR MDR JR. TRANSLATOR IS WITHIN 50FT OF COLLECTION DEVICE
		SESS SWITCH CRT OR MDR JR. TRANSLATOR FARTHER THAN 50FT FROM COLLECTION DEVICE
SESS SWITCH CRT OR MDR JR. TRANSLATOR IS IN CENTRAL OFFICE AND COLLECTION DEVICE IS ON CUSTOMER PREMISE		1
T-INTERFACE (SEE NOTE 202)	ON CUSTOMER PREMISE	SESS SWITCH WITHIN 50FT OF COLLECTION DEVICE
		SESS SWITCH CRT OR MDR JR. TRANSLATOR IS FARTHER THAN 50FT OF COLLECTION DEVICE
	IN CENTRAL OFFICE	SESS SWITCH CRT OR MDR JR. TRANSLATOR IS WITHIN 50FT OF COLLECTION DEVICE
		SESS SWITCH CRT OR MDR JR. TRANSLATOR FARTHER THAN 50FT FROM COLLECTION DEVICE
SESS SWITCH CRT OR MDR JR. TRANSLATOR IS IN CENTRAL OFFICE AND COLLECTION DEVICE IS ON CUSTOMER PREMISE		
WHEN	NT1	IS PROVIDED
	NT1U 200	
WHEN	MDRJR IS PROVIDED (ED-5D709-30, G19)	

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MESSAGE DETAIL RECORDING TRANSLATOR JR (MDR JR)		
DWG SIZE C2	ISSUE 3B	
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INFORMATION NOTES (CONT):

303.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA
2	F	E		F	E
3	D	F	308	D	F

304.

THE FOLLOWING IS A LIST OF ASSOCIATED CIRCUITS.
 SD-5D001-01 5ESS (R) FLOOR PLAN DATA
 SD-5D014-02 5ESS (R) SYSTEM APPLICATION SCHEMATIC
 SD-5D091-01 ISLU
 SD-5D118-01 SWITCHING MODULE

305.

GLOSSARY:
 CRT CALL RATING TRANSLATOR
 SFC SOFTWARE FLOW CONTROL
 DTR DATA TERMINAL READY
 MDR JR. MESSAGE DETAIL RECORDING JR.

306.

THE FOLLOWING IS A LIST OF AT&T PRACTICES AND ASSOCIATED DOCUMENTS FOR 5ESS SWITCH CRT OR MDR JR. TRANSLATOR.
 5D5-118-213 5ESS (R) SWITCH RECENT CHANGE MANUAL FOR 5E4(2) GENERIC
 5D5-200-100 BUSINESS AND RESIDENCE CUSTOMER SERVICES (BRCS) ASSIGNMENT GUIDE
 533-620-130 5ESS (R) SWITCH CRT OR MDR JR. TRANSLATOR USERS MANUAL
 TG-5 5ESS (R) SWITCH TRANSLATION GUIDE

307.

CRT OR MDR JR. BOX IS UL AND FCC APPROVED.

308.

TRANSLATORS PER OPTION F ARE DA. TRANSLATORS PER OPTION D ARE FOR SOFTWARE RELEASE 5E11 OR 5E12 OR LATER.

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MESSAGE DETAIL RECORDING TRANSLATOR JR (MDR JR)	DWG SIZE	ISSUE
	C2	3B
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