

SHEET INDEX		
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OPTION INDEX			
APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
Z	1		B1
Y	1		B1
X	1		B1
W	1		B1
V	1		B1
T	1		B1
S	1		B1
R	2		B1
Q	2		B1
N	2		B1
M	2		B1
L	2		B1
K	2		B1
J	2		B1
H	2		B1
F	3		B1

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1	2-23-90		
2B	APPX 1B	5-6-92		
3M	1 APPX 2M	2-18-94		

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 RECORDS
TRANSLATOR APPLICATION
PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE G2	ISSUE 3M
AT&T	SD-5D149-01
SHEET A1 5	

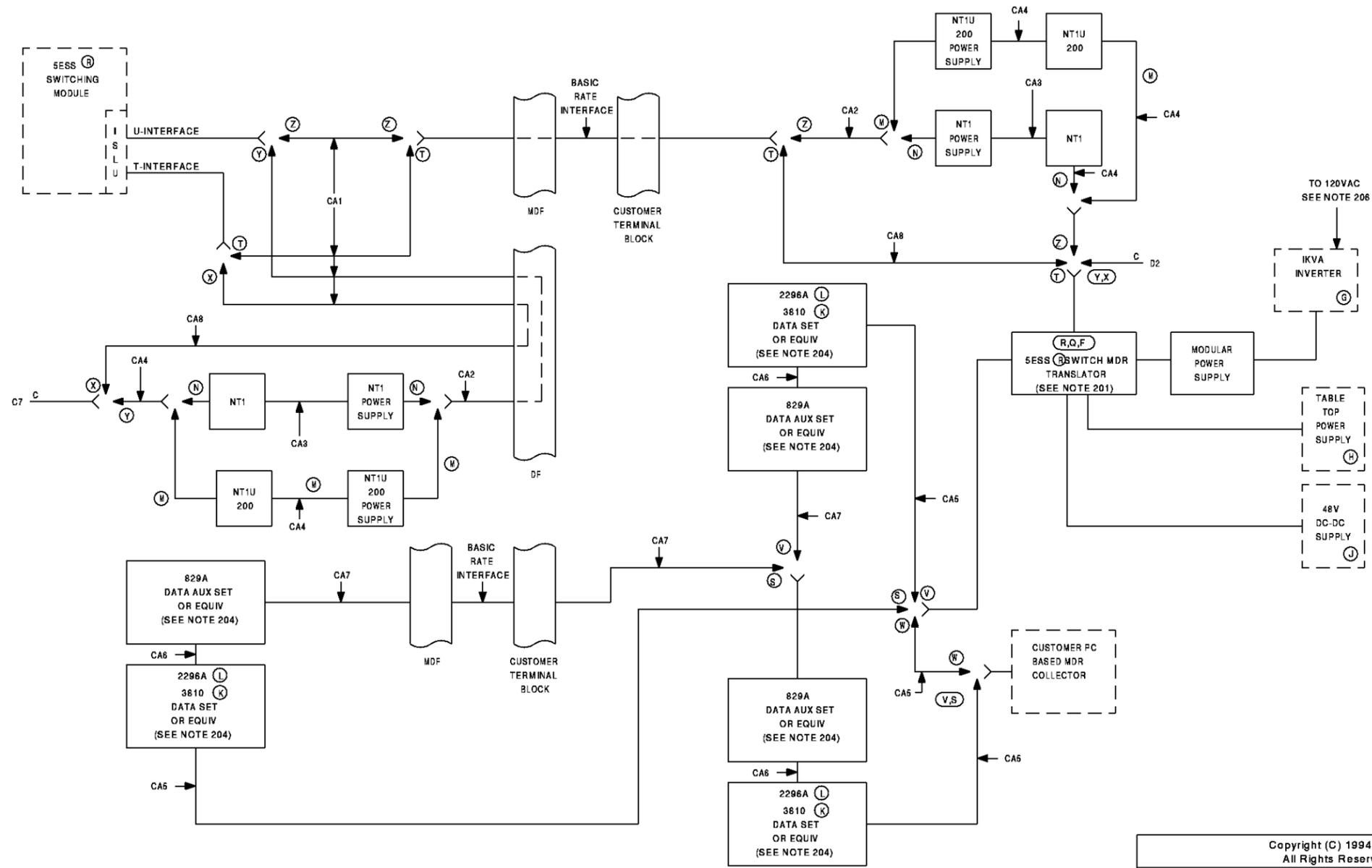
0 1 2 3 4 5 6 7 8 9

AS 1

SESS[®] SWITCH MESSAGE DETAIL RECORDS
TRANSLATOR APPLICATION PROCESSOR

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H



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MESSAGE DETAIL RECORDS TRANSLATOR APPLICATION PROCESSOR APPLICATION SCHEMATIC	DWG SIZE	ISSUE
	C2	3M
AT&T	SD-5D149-01	SHEET B1

0 1 2 3 4 5 6 7 8 9

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APP FIG 1

UNIT				
OPTION	DESIG	EQPT LOC	AS LOC	CODE
DA	R		AS 1	5ESS [®] SWITCH MDR TRASLATOR [®] (601303010)
	Y, Z		AS 1	NT1
DA	Q		AS 1	5ESS [®] SWITCH MDR TRASLATOR [®] ED-5D709-30,G4 601325376
	N		AS 1	NT1
	M		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 [®] SWITCH MDR TRASLATOR [®] ED-5D709-30,G4A 601325376

SET				
OPTION	DESIG	EQPT LOC	AS LOC	CODE
V, S			AS 1	828A DATA AUX
V, S			AS 1	2286A
L			AS 1	3810

POWER SUPPLY				
OPTION	DESIG	EQPT LOC	AS LOC	CODE
Y, Z			AS 1	385A WM113 (ELPAC POWER SUPPLY)

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MESSAGE DETAIL RECORDS TRANSLATOR APPLICATION PROCESSOR APPLICATION SCHEMATIC		DWG SIZE C2
AT&T		ISSUE 3M
SD-5D149-01		SHEET C1

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

EQUIPMENT NOTES:

201. A BASIC 5ESS[®] SWITCH MDR TRANSLATOR APPLICATION PROCESSOR REQUIRES THE USE OF A 5ESS[®] SWITCH MDR THE 5ESS[®] SWITCH MDR TRANSLATOR IS EQUIPPED WITH 15 DIP SWITCHES WHICH MUST BE SET AS INDICATED BELOW:

SW	POSITION									
	1	2	3	4	5	6	7	8		
1	0	1	0	1	0	0	0	1	X	
2	0	1	0	1	0	1	0	1		
3	0	1	0	1	X	1200 BAUD				
	0	1	1	0		2400 BAUD				
	0	1	1	1		4800 BAUD				
	1	0	0	0		9600 BAUD				
3	X				0	1	0	0	MDR PARITY	
	X				0	1	0	1		NONE
	X				0	1	1	0		EVEN
	X				1	0	0	1		ODD
4	0	1	0	1	0	1	0	1	NONE	
5	0	0	0	0	0	0	0	1		
6	A			B			X			
7	B			B						
8	B			B						
9	B			B						
10	0	0	1	0	X	NONE				
	0	1	1	0		RCV				
	1	0	0	0		RCV & TRMT				
10	X				0	0	0	0	SFC	
11	C			D						
12	D			D						
13	D			0	1	0	1			
14	0	1	0	1	0	1	0	1	X	
15	0	1	0	1	0	0	0	0		
	0	0	0	0	0	0	0	1	DTR ACTION	

A = LCEN MOST SIGNIFICANT DIGIT
 B = LCEN NEXT MOST SIGNIFICANT DIGIT
 C = BCID MOST SIGNIFICANT DIGIT
 D = BCID NEXT MOST SIGNIFICANT DIGIT

BCD CODES:
 0000 = 0 0101 = 5
 0001 = 1 0110 = 6
 0010 = 2 0111 = 7
 0011 = 3 1000 = 8
 0100 = 4 1001 = 9

EQUIPMENT NOTES (CONT):

WITHIN THE DIP SWITCH POSITION 1-4 IS THE FIRST CODED NUMBER AND POSITIONS 5-8 IS THE SECOND CODED NUMBER, ETC.

202. THE FOLLOWING CABLES ARE RECOMMENDED FOR 5ESS[®] SWITCH MDR TRANSLATOR APPLICATION PROCESSOR APPLICATIONS:

CABLE DESIG	EQUIPMENT TO BE CONNECTED	CABLE TYPE	
CA 1	5ESS [®] SWITCH MDR TRANSLATOR TO MDF OR DF	FOR 711 TYPE CONNECTOR	ED-5D821-11, G21-24
		FOR SWC TYPE CONNECTOR	ED-5D821-11, G21A-24A
		FOR TRW TYPE CONNECTOR	ED-5D821-11, G21B-24B
CA 2	DISTRIBUTING FRAME TO NT1 POWER SUPPLY	ED-5D821-11, G21	
CA 3	NT1 POWER SUPPLY TO NT1	D6AP-87 CORD	
CA 4	NT1 TO 5ESS [®] SWITCH MDR TRANSLATOR NT1U 200 TO NT1 POWER SUPPLY NT1U 200 TO MDR TRANSLATOR	D8W-87 CORD	
CA 5	5ESS [®] SWITCH MDR TRANSLATOR TO DATA SET	M25A-87 CORD (MALE-FEMALE) OR M25B-87 CORD (MALE-MALE)	
	DATA SET TO VMS		
CA 6	5ESS [®] SWITCH MDR TRANSLATOR TO VHS	M25B-87 CORD (MALE-MALE)	
CA 6	DATA SET TO DATA AUX SET	B25A CABLE	
CA 7	DATA AUX SET TO MDF OR CUSTOMER TERMINAL BLOCK	812A CABLE	
	DATA AUX SET TO DATA AUX SET		
CA 8	5ESS [®] SWITCH MDR TRANSLATOR TO DF OR CUSTOMER TERMINAL BLOCK	ED-5D821-11, G62	

203. THE MAXIMUM DISTANCE (WIRING LENGTH) BETWEEN THE 5ESS[®] SWITCH MODULE AND 5ESS[®] MDR TRANSLATOR IS

FOR 'T' INTERFACE (4 WIRE) = 1 KILOMETER
 FOR 'J' INTERFACE (2 WIRE) = 6.5 KILOMETERS

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

DATA SET OR DATA AUX SET	DATA MOUNTING
2296A,L1	105A1
2296A,L1/2	104A2
829A	44A2
3810	STAND ALONE

205. WHEN THE 5ESS[®] SWITCH MDR TRANSLATOR IS LOCATED IN THE CENTRAL OFFICE, THE RECOMMENDED LOCATION IS THE DATA SET CABINET, ED-5D522-31

206. IF CUSTOMER REQUIRES UNINTERRUPTIBLE SERVICE PROTECTED AC IS RECOMMENDED

207. MESSAGE DETAIL RECORDS TRANSLATOR IS ED-5D709-30,G4, THE PHYSICAL SIZE IS 2.5" X 10.25" X 9.8"

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MESSAGE DETAIL RECORDS TRANSLATOR APPLICATION PROCESSOR APPLICATION SCHEMATIC	DWG SIZE	ISSUE
	G2	3M
AT&T	SD-5D149-01	SHEET D1

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.

302 .

FEATURE OR OPTION			PROVIDE		
			APP FIG.	APP OR WRG	QUANTITY
SMSI TRANSLATOR					
U-INTERFACE (SEE NOTE 203)	5ESS SWITCH MDR TRANSLATOR AND VMS ARE	ON CUSTOMER PREMISE	5ESS SWITCH WITHIN 50 FT OF VMS	Z, W'	1 1 PER SYSTEM
			5ESS SWITCH MDR TRANSLATOR IS FARTHER THAN 50 FT FROM VMS	Z, V	
	IN	5ESS SWITCH MDR TRANSLATOR IS WITHIN 50 FT OF VMS	Y, W		
		CENTRAL OFFICE	5ESS SWITCH MDR TRANSLATOR FARTHER THAN 50 FT FROM VMS	Y, V	
5ESS SWITCH MDR TRANSLATOR IS IN CENTRAL OFFICE AND VMS IS ON CUSTOMER PREMISE.			Y, S		
T-INTERFACE (SEE NOTE 203)	5ESS SWITCH MDR TRANSLATOR AND VMS ARE	ON CUSTOMER PREMISE	5ESS SWITCH WITHIN 50 FT OF VMS	T, W	
			5ESS SWITCH MDR TRANSLATOR IS FARTHER THAN 50 FT FROM VMS	T, V	
	IN	5ESS SWITCH MDR TRANSLATOR IS WITHIN 50 FT OF VMS	X, W		
		CENTRAL OFFICE	5ESS SWITCH MDR TRANSLATOR FARTHER THAN 50 FT FROM VMS	X, V	
5ESS SWITCH MDR TRANSLATOR IS IN CENTRAL OFFICE AND VMS IS ON CUSTOMER PREMISE.			X, S		
WHEN	801303019 TRANSLATOR	IS PROVIDED	R		
	ED-5D709-30,G4A TRANSLATOR	IS PROVIDED	Q, F		
	NT1	IS PROVIDED	N		
	NT1U 200	IS PROVIDED	M		

INFORMATION NOTES (CONT):

303.

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				STD	DA
2	Q	R		Q	R
2	K	L		K	L
3	F	Q		F	Q

304. THE FOLLOWING IS A LIST OF ASSOCIATED CIRCUITS.

- SD-5D001-01 5ESS[®] FLOOR PLAN DATA.
- SD-5D014-02 5ESS[®] SYSTEM APPLICATION SCHEMATIC
- SD-5D091-01 ISLU
- SD-5D118-01 SWITCHING MODULE

305. GLOSSARY:

- MDR MESSAGE DETAIL RECORDS
- SFC SOFTWARE FLOW CONTROL
- DTR DATA TERMINAL READY
- LCEN LINE CARD EQUIPMENT NUMBERS
- BCID BUSINESS CUSTOMER IDENTIFICATION
- BCD BINARY CODED DECIMAL

306. THE FOLLOWING IS A LIST OF AT&T PRACTICES AND ASSOCIATED DOCUMENTS FOR 5ESS SWITCH MDR TRANSLATOR:

- . 5D5-118-213 5ESS[®] SWITCH RECENT CHANGE MANUAL FOR SE4(2) GENERIC
- . 5D5-200-100 BUSINESS AND RESIDENCE CUSTOMER SERVICES (BRCS) ASSIGNMENT GUIDE.
- . 533-620-130 5ESS[®] SWITCH MDR TRANSLATOR USERS MANUAL
- . TG-5 5ESS[®] SWITCH TRANSLATION GUIDE

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MESSAGE DETAIL RECORDS
TRANSLATOR APPLICATION
PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE
C2

ISSUE
3M

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SHEET
D2

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