DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1 APPX −	04-10-92		
2B	1 APPX 1B	04-09-98		
3B	1 APPX 2B	05-07-99		

SHEET INDEX

CONTENTS	SHEET NO.	SHEET ISSUE NO.
SHEET INDEX SUPPORTING INFORMATION OPTION INDEX	A1	3
AS 1 TYPICAL ARRANGEMENT FOR MEDS TRANSLATOR APPLICATION PROCESSOR	B1	3
APP FIG. 1	C1	3
CIRCUIT NOTES EQUIPMENT NOTES	D1	3
INFORMATION NOTES	D2	3

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
R	2B		APP FIG. 1, AS 1

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DWG	ED-5D709-30,G17A,D

SHEET INDEX NOTES

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.

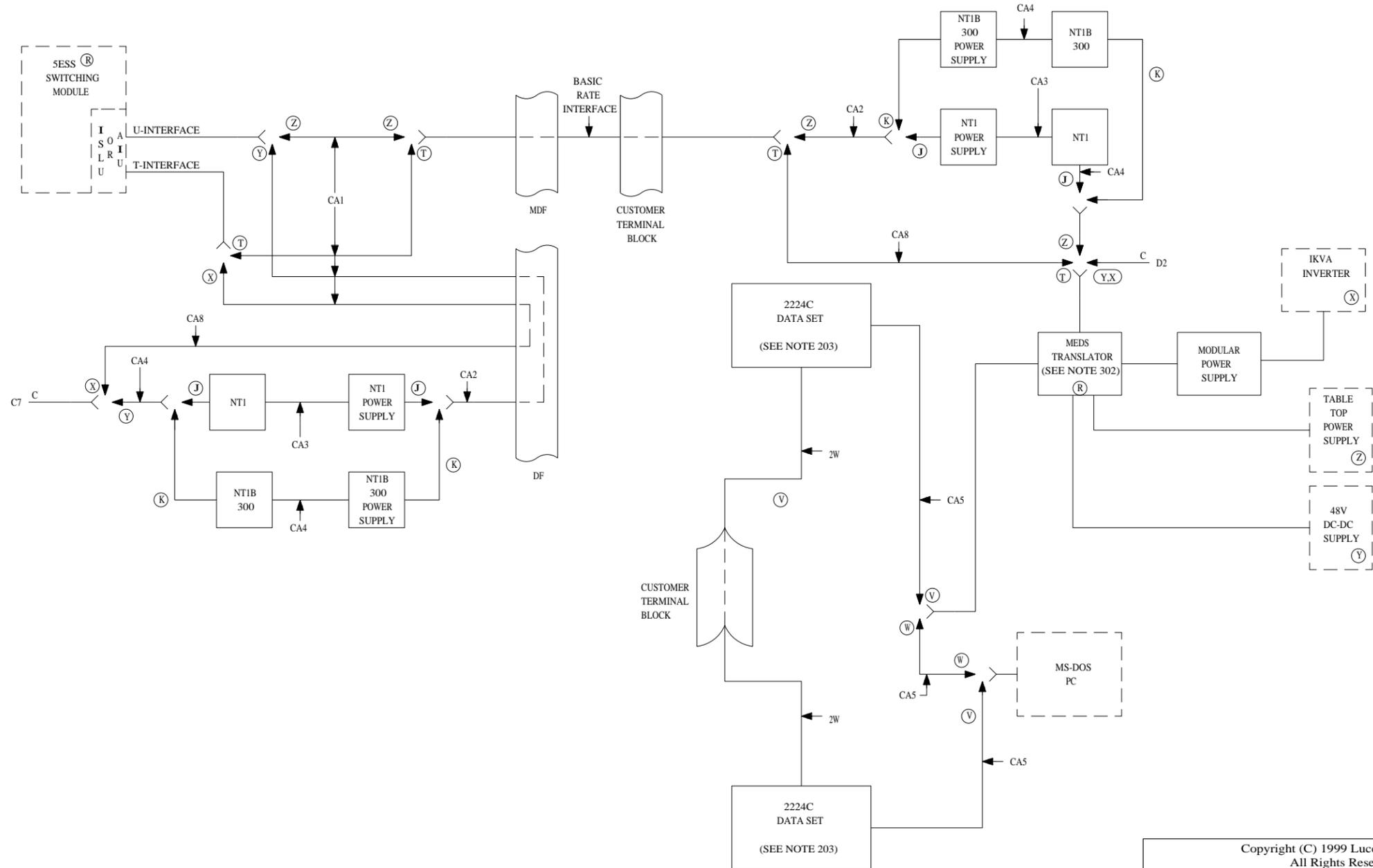3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

BT13

ELECTRONIC SWITCHING SYSTEMS
5ESS ®

MICRO ELECTRONIC
DIRECTORY SYSTEM
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	3B

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AS 1

TYPICAL ARRANGEMENT FOR
MEDS TRANSLATOR APPLICATION PROCESSOR

5ESS
SWITCHING
MODULE (R)

ISLU
IOARIU

U-INTERFACE
T-INTERFACE

BASIC
RATE
INTERFACE

MDF

CUSTOMER
TERMINAL
BLOCK

CA1

NT1B
300
POWER
SUPPLY

CA4

NT1B
300

CA3

NT1
POWER
SUPPLY

CA2

NT1

CA4

1KVA
INVERTER (X)

2224C
DATA SET
(SEE NOTE 203)

MEDS
TRANSLATOR
(SEE NOTE 302) (R)

MODULAR
POWER
SUPPLY

TABLE
TOP
POWER
SUPPLY (Z)

48V
DC-DC
SUPPLY (Y)

CA8
CA4
NT1
POWER
SUPPLY

NT1

CA2

NT1B
300
POWER
SUPPLY

CA3

NT1B
300

CA4

DF

CUSTOMER
TERMINAL
BLOCK

2W

CA5

2W

MS-DOS
PC

CA5

2224C
DATA SET
(SEE NOTE 203)

MICROPROCESSOR ELECTRONIC
DIRECTORY SYSTEM
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	3B

SD-5D511-01

SHEET
B1

APP FIG. 1

UNIT

OPT	DESIG	LOC	CODE
R	B	AS 1	5ESS® MEDS TRANSLATOR (601939390)

SET

OPTION	CODE

POWER SUPPLY

OPTION	CODE
	WM113-5 ELPAC POWER SUPPLY
Z	TABLE TOP POWER SUPPLY
Y	48V DC-DC SUPPLY

MICROPROCESSOR ELECTRONIC
DIRECTORY SYSTEM
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	3B

Lucent Technologies	SD-5D511-01	SHEET C1

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	BATTERY SYMBOL		VOLTAGE RANGE

102.

NETWORK VALUES		
NETWORK	RESISTANCE IN OHMS	CAPACITANCE IN UF
NO.	CODE	

EQUIPMENT NOTES:

201. THE FOLLOWING CABLES ARE RECOMMENDED FOR MEDS TRANSLATOR APPLICATION PROCESSOR APPLICATIONS:

CABLE DESIG	EQUIPMENT TO BE CONNECTED		CABLE TYPE
CA1	5ESS ® SWITCH MODULE TO MDF OR DF	FOR 711 TYPE CONNECTOR	ED-5D621-11, G21-24
		FOR SWC TYPE CONNECTOR	ED-5D621-11, G21A-24A
		FOR TRW TYPE CONNECTOR	ED-5D621-11, G21B-24B
CA2	DISTRIBUTING FRAME TO NT1 POWER SUPPLY		ED-5D621-11, G61
CA3	NT1 POWER SUPPLY TO NT1		D6AP-87 CORD
CA4	NT1 TO MEDS TRANSLATOR		D8W-87 CORD
	NT1U 200 TO NT1 POWER SUPPLY		
	NT1U 200 TO MEDS TRANSLATOR		
CA5	MEDS TRANSLATOR TO DATA SET		M25A-87 CORD (MALE-FEMALE) OR M25B-87 CORD (MALE-MALE)
	DATA SET TO MS-DOS PC		
	MEDS TRANSLATOR TO MS-DOS PC		
CA6	MEDS TRANSLATOR TO DF OR CUSTOMER TERMINAL BLOCK		ED-5D621-11, G62

EQUIPMENT NOTES (CONT):

202. THE MAXIMUM DISTANCE (WIRING LENGTH) BETWEEN THE 5ESS ® SWITCH MODULE AND MEDS 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 SET AS FOLLOWS:

DATA SET OR DATA AUX SET	DATA MOUNTING
2224C	STAND ALONE

204. WHEN THE MEDS TRANSLATOR IS LOCATED IN THE CENTRAL OFFICE. THE RECOMMENDED LOCATION IS THE DATA SET CABINET, ED-5D522-31.

205. IF CUSTOMER REQUIRES UNITERRUPTIBLE SERVICE PROTECTED AC IS RECOMMENDED.

206. A BASIC TRANSLATOR APPLICATION PROCESSOR REQUIRES THE USE OF A MEDS INTERFACE TRANSLATOR AND MS-DOS PC. E/W MEDS SOFTWARE IS CONSIDERED Y2K. IF THE MS-DOS PC IS Y2K COMPLIANT THE PHYSICAL SIZE OF THE UNIT IS 2.5''HT X 10.25''WD X 9.8''LG. THE CURRENT AVAILABLE TRANSLATOR IS: OPTION R, ED-5D709-30, G17A.

207. PROGRAMMING THE MEDS TRANSLATOR THE FOLLOWING PROCEDURES ARE RECOMMENDED.

● TO ENTER PROGRAM MODE:
  1. POWER CYCLE THE UNIT.
  2. AS SOON AS ATP IS DISPLAYED, PRESS AND HOLD SWITCH S1.
  3. ONCE PROGMODE IS DISPLAYED, RELEASE SWITCH S1.

● WHILE IN PROGRAM MODE:
  1. PRESS SWITCH S1 TO SELECT DESIRED OPTION (SEE OPTIONS BELOW).
  2. THEN PRESS SWITCH S2 TO ENTER CHANGE MODE.
  3. OR PRESS SWITCH S3 TO DISPLAY THE CURRENT SETTINGS.
  4. SWITCH S4 ENDS PROGRAM MODE AND STARTS MEDS SOFTWARE.

● WHILE IN CHANGE MODE:
  1. PRESS SWITCH S2 TO STEP THRU AVAILABLE SETTINGS OR VAULES.
  2. FOLLOWED BY SWITCH S1 TO SAVE CHANGES AND END CHANGE MODE.
  3. OR SWITCH S4 TO END CHANGE MODE WITHOUT SAVING ANY CHANGES.
  4. WHILE SETTING LCEN, BCID OT TEI, SWITCH S3 MOVES RIGHT 1 DIGIT.

● OPTIONS:

ADMBAUD	ADM PARTY	ADM PSWD	LCEN
BCID	TE1	DIAGBAUD	DIAGPRTY
DIAGMODE			

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

MICROPROCESSOR ELECTRONIC DIRECTORY SYSTEM APPLICATION PROCESSOR APPLICATION SCHEMATIC	DWG SIZE C2	ISSUE 3B
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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
	MEDS TRANSLATOR			1		1 PER SYSTEM
U-INTERFACE (SEE NOTE 203)	MEDS TRANSLATOR AND MS-DOS PC ARE	ON CUSTOMER PREMISE	MEDS IS WITHIN 50 FT OF MS-DOS PC		Z,W	
			FARTHER THAN 50 FT FROM MS-DOS PC		Z,V	
		IN CENTRAL OFFICE	MEDS IS WITHIN 50 FT OF MS-DOS PC		Y,W	
			MEDS IS FARTHER THAN 50 FT FROM MS-DOS PC		Y,V	
	MEDS TRANSLATOR IS IN CENTRAL OFFICE AND MS-DOS PC IS ON CUSTOMER PREMISE.				Y,V	
T-INTERFACE (SEE NOTE 203)	MEDS TRANSLATOR AND MS-DOS PC ARE	ON CUSTOMER PREMISE	MEDS IS WITHIN 50 FT OF MS-DOS PC		T,W	
			MEDS IS FARTHER THAN 50 FT FROM MS-DOS PC		T,V	
		IN CENTRAL OFFICE	MEDS IS WITHIN 50 FT OF MS-DOS PC		X,W	
			MEDS IS FARTHER THAN 50 FT FROM MS-DOS PC		X,V	
	MEDS TRANSLATOR IS IN CENTRAL OFFICE AND MS-DOS PC IS ON CUSTOMER PREMISE.				X,V	
	WHEN	NT1	IS PROVIDED		J	
		NT1U 200			K	
	WHEN	MEDS IS PROVIDED (ED-5D709-30, G17A)			R	

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
2B	R		306	R	

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:

MEDS   MICRO ELECTRONIC DIRECTORY SYSTEM
LCEM   LINE CARD EQUIPMENT NUMBER
BCID   BUSINESS CUSTOMER IDENTIFICATION
BCD   BINARY CODED DECIMAL

306. TRANSLATORS PER OPTION R ARE FOR SOFTWARE
5E11 OR 5E12 OR LATER.

MICROPROCESSOR ELECTRONIC
DIRECTORY SYSTEM
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	3B

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