SHEET INDEX

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OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
M,N	2	302 303	SHT D2

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1	4-19-91		
2B	1	1-13-92		

SUPPORTING INFORMATION

CATEGORY	NO.

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 ®

SWITCH COMMUNICATIONS

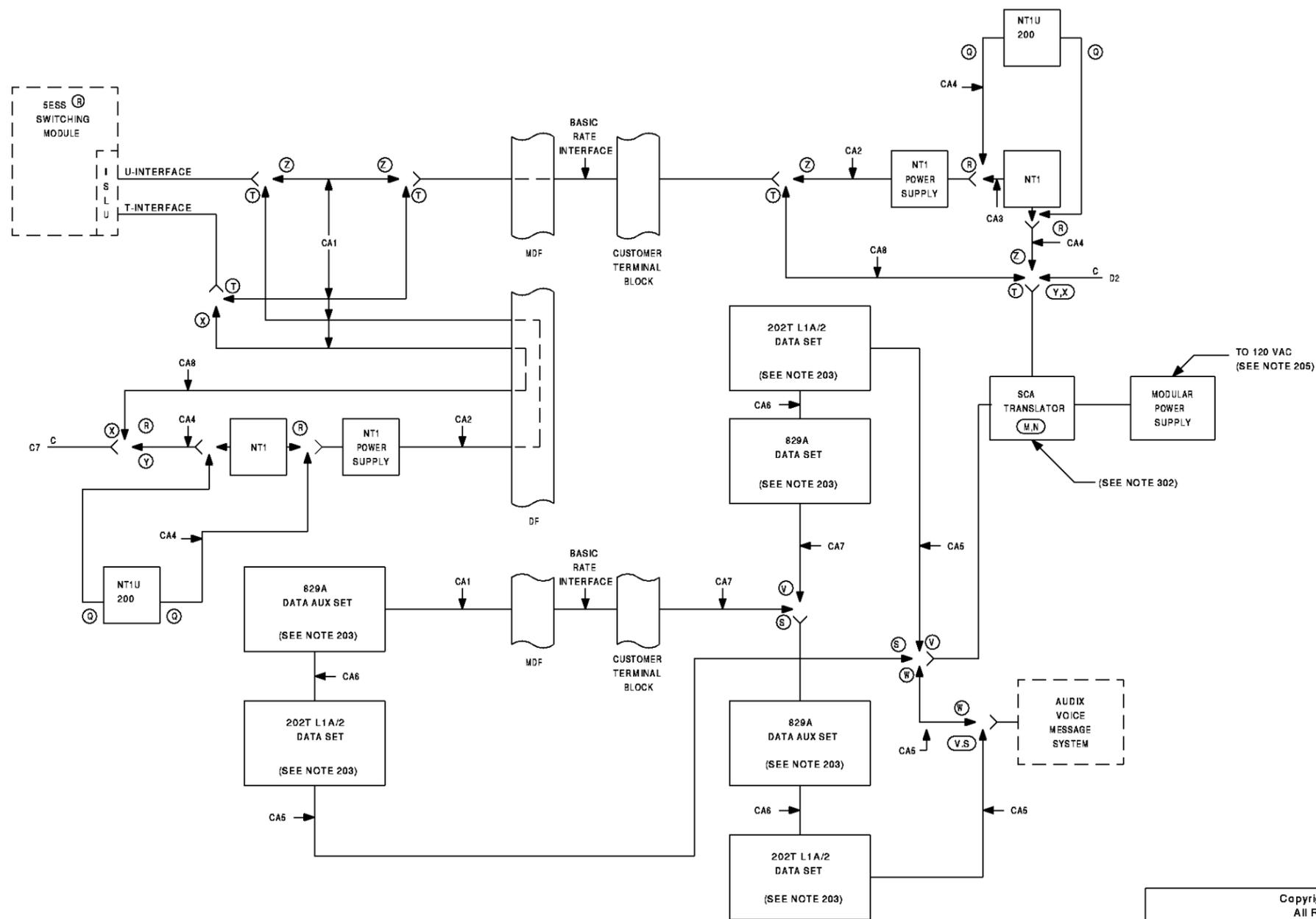ADAPTER TRANSLATOR

APPLICATION PROCESSOR

APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	2B

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AS 1

TYPICAL ARRANGEMENT FOR
SCA TRANSLATOR APPLICATION PROCESSOR

5ESS Ⓡ
SWITCHING
MODULE

I
S L
L U

U-INTERFACE

T-INTERFACE

NT1U
200

CA4

NT1

BASIC
RATE
INTERFACE

MDF

CUSTOMER
TERMINAL
BLOCK

CA1

CA2

NT1
POWER
SUPPLY

CA3

CA4

CA8

D2

DF

CA8

CA4

C7 C

X

Y

R

CA4

NT1

R

NT1
POWER
SUPPLY

CA2

SCA
TRANSLATOR
Ⓜ,Ⓝ

MODULAR
POWER
SUPPLY

TO 120 VAC
(SEE NOTE 205)

(SEE NOTE 302)

202T L1A/2
DATA SET

(SEE NOTE 203)

CA6

829A
DATA SET

(SEE NOTE 203)

CA4

NT1U
200

CA7

CA5

CA5

829A
DATA AUX SET

(SEE NOTE 203)

CA6

202T L1A/2
DATA SET

(SEE NOTE 203)

CA5

CA1

BASIC
RATE
INTERFACE

MDF

CUSTOMER
TERMINAL
BLOCK

CA7

V

S

S

W

V

W

AUDIX
VOICE
MESSAGE
SYSTEM

CA5

V,S

829A
DATA AUX SET

(SEE NOTE 203)

CA6

CA5

202T L1A/2
DATA SET

(SEE NOTE 203)

SWITCH COMMUNICATIONS
ADAPTER TRANSLATOR
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	2B

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APP FIG. 1

UNIT

OPTION	CODE
Y,Z	WT1
	SCA-601325392
M,N	ED-5D709-30,G6
	(601235392)

SET

OPTION	CODE
	829A DATA AUX
	202T L1A/2 DATA

POWER SUPPLY

OPTION	CODE
Y,Z	353A
	WM113-5 (ELPAC POWER SUPPLY)
	NT1
	NT1U 200

SWITCH COMMUNICATIONS
ADAPTER TRANSLATOR
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	2B

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SHEET
C1

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	BATTERY SYMBOL		VOLTAGE RANGE

102.

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

EQUIPMENT NOTES:

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

CABLE DESIG	EQUIPMENT TO BE CONNECTED		CABLE TYPE
CA1	5ESS (R) 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 OR NT1U 200 TO SCA TRANSLATOR NT1U 200 TO NT1 POWER SUPPLY		D8W-87 CORD
CA5	SCA TRANSLATOR TO DATA SET		M25A-87 CORD (MALE-FEMALE) OR M25B-87 CORD (MALE-MALE)
	DATA SET TO VMS		
	SCA TRANSLATOR TO VMS		
CA6	DATA SET TO DATA AUX SET		B25A CABLE
CA7	DATA AUX SET TO MDF OR CUSTOMER TERMINAL BLOCK		812A CABLE
	DATA AUX SET TO DATA AUX SET		
CA8	SCA TRANSLATOR TO DF OR CUSTOMER TERMINAL BLOCK		ED-5D621-11, G62

202.   THE MAXIMUM DISTANCE (WIRING LENGTH) BETWEEN THE 5ESS (R) SWITCH
MODULE AND SCA 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
202T	47B1
829A,L1A	44A2

204.   WHEN THE SCA 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.   SWITCH COMMUNICATIONS ADAPTER
TRANSLATOR OPTION N IS ED-5D709-30,G6.
THE PHYSICAL SIZE OF THE UNIT IS
2.5"HT X 10.25"WD X 9.8"LG.

SWITCH COMMUNICATIONS
ADAPTER TRANSLATOR
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE	ISSUE
C2	2B

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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
SCA TRANSLATOR				1		1 PER SYSTEM
U-INTERFACE (SEE NOTE 203)	SCA TRANSLATOR AND VMS ARE	ON CUSTOMER PREMISE	SCA IS WITHIN 50 FT OR VMS		Z,W	
			SCA IS FARTHER THAN 50 FT FROM VMS		Z,V	
		IN CENTRAL OFFICE	SCA IS WITHIN 50 FT OF VMS		Y,W	
			SCA IS FARTHER THAN 50 FT FROM VMS		Y,V	
	SCA TRANSLATOR IS IN CENTRAL OFFICE AND VMS IS ON CUSTOMER PREMISE.				Y,S	
T-INTERFACE (SEE NOTE 203)	SCA TRANSLATOR AND VMS ARE	ON CUSTOMER PREMISE	SCA IS WITHIN 50 FT OR VMS		T,W	
			SCA IS FARTHER THAN 50 FT FROM VMS		T,V	
		IN CENTRAL OFFICE	SCA IS WITHIN 50 FT OF VMS		X,W	
			SCA IS FARTHER THAN 50 FT FROM VMS		X,V	
	SCA TRANSLATOR IS IN CENTRAL OFFICE AND VMS IS ON CUSTOMER PREMISE.				X,S	
	WHEN	NT1	IS PROVIDED		R	
		NT1U 200			Q	
	WHEN	6013253392 TRANSLATOR	IS PROVIDED		M	
		ED-5D709-30,G6 TRANSLATOR			N	

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	N	M		N	M

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:

SCA   SWITCH COMMUNICATIONS ADAPTER
LCEM   LINE CARD EQUIPMENT NUMBER
BCID   BUSINESS CUSTOMER IDENTIFICATION
BCD   BINARY CODED DECIMAL

306. SCA TRANSLATORS FOR GENERIC
5E4(2) OR LATER.

SWITCH COMMUNICATIONS
ADAPTER TRANSLATOR
APPLICATION PROCESSOR
APPLICATION SCHEMATIC

DWG SIZE: C2

ISSUE: 2B

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SHEET: D2

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