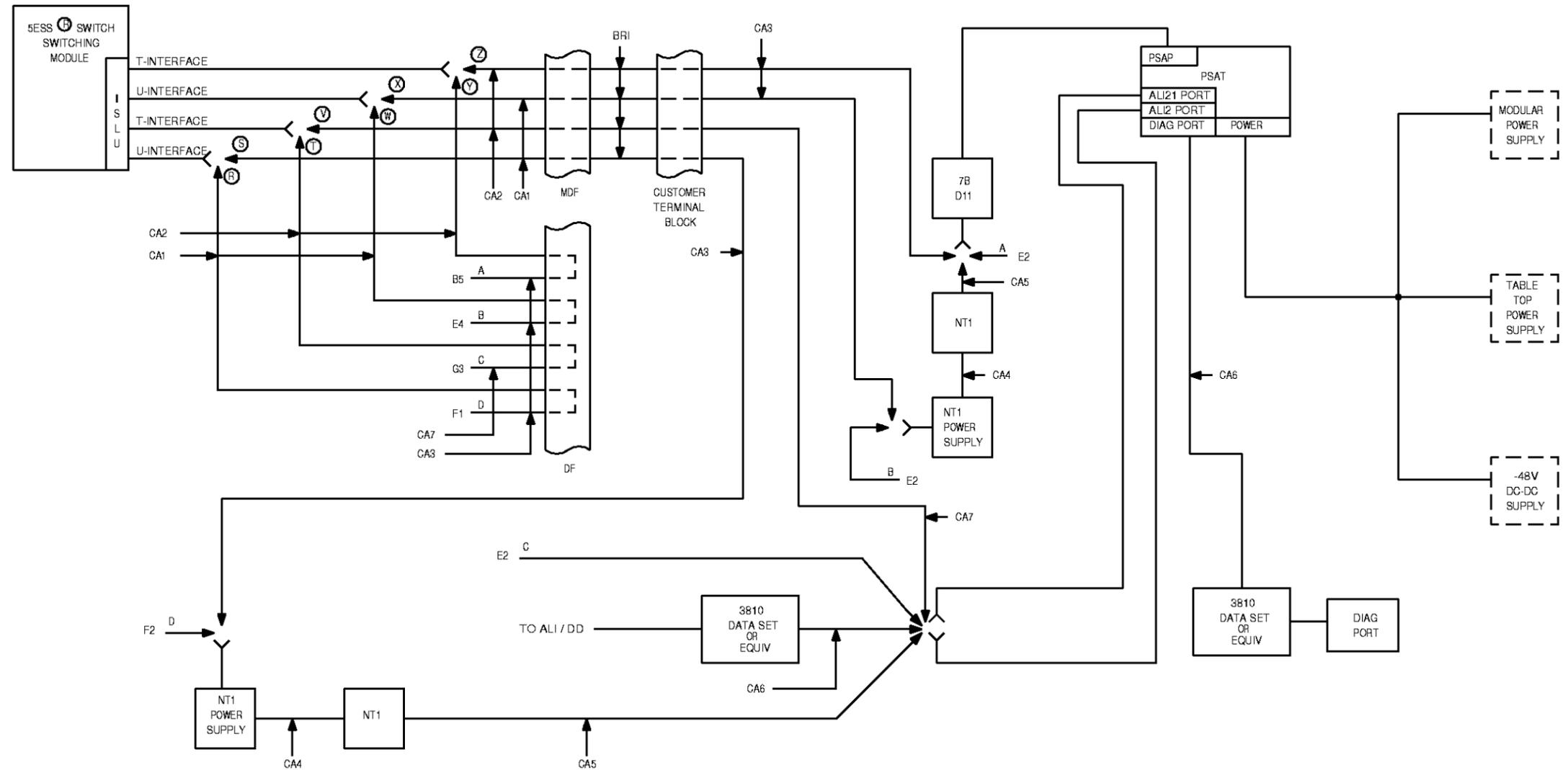




# AS 1

5ESS SWITCH PSAT  
TRANSLATOR APPLICATION PROCESSOR



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PUBLIC SAFETY ALI TRANSLATOR (PSAT) APPLICATION SCHEMATIC	DWG SIZE	ISSUE
	C2	1
AT&T	SD-5D543-01	SHEET B1

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# APP FIG 1

## UNIT

OPTION	DESIG	EQPT LOC	AS LOC	CODE
Z,V Y,T			AS 1	5ESS <sup>®</sup> SWITCH, SWITCHING MODULE FOR "T" INTERFACE ISLU
X,S W,R			AS 1	5ESS <sup>®</sup> SWITCH, SWITCHING MODULE FOR "U" INTERFACE ISLU
			AS 1	PSAT PUBLIC SAFETY ALI TRANSLATOR

## SET

OPTION	DESIG	EQPT LOC	AS LOC	CODE
			AS 1	3810 DATA SET

## POWER SUPPLY

OPTION	DESIG	EQPT LOC	AS LOC	CODE
			AS 1	NT1
			AS 1	48V DC-DC SUPPLY
			AS 1	TABLE TOP POWER SUPPLY

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CIRCUIT NOTES:

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

EQUIPMENT NOTES:

201. THE FOLLOWING CABLES ARE RECOMMENDED FOR 5ESS SWITCH PSAT TRANSLATOR APPLICATION PROCESSOR APPLICATIONS.

CABLE DESIG	EQUIPMENT TO BE CONNECTED		CABLE TYPE	
CA1	ISLU	"U" INTERFACE	FOR 711 TYPE CONNECTOR	ED-5D621-11, G21-24
			FOR SWG TYPE CONNECTOR	ED5D621-11, G21A-24A
			FOR TRW TYPE CONNECTOR	ED5D621-11, G21B-24B
CA2		"T" INTERFACE	FOR 711 TYPE CONNECTOR	ED-5D621-11, G1-4
			FOR SWG TYPE CONNECTOR	ED5D621-11, G1A-4A
CA3	DISTRIBUTING FRAME	NT1 POWER TYPE	ED5D621-11, G61	
		7B D11		
CA4	NT1 POWER SUPPLY TO NT1		D6AP-87 CORD	
CA5	NT1 TO	7B D11	D8W-87	
		PSAT TRANSLATOR	MTG CORD	
CA6	DATA SET TO	PSAT TRANSLATOR	M25A-87 CORD OR M25B-87 CORD	
CA7	PSAT TRANSLATOR	DISTRIBUTING FRAME OR CUSTOMER TERMINAL BLOCK	ED5D621-11, G82	

202. THE MAXIMUM DISTANCE (WIRING LENGTH) BETWEEN THE 5ESS SWITCH, SWITCHING MODULE AND 5ESS PSAT 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
3810	STAND ALONE

204. WHEN THE 5ESS SWITCH PSAT 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. PUBLIC SAFETY ALI TRANSLATOR - MESSAGE DETAIL RECORDING TRANSLATOR IS ED-5D709-30-G14. THE PHYSICAL SIZE IS 2.5" X 10.25" X 9.8".

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0 1 2 3 4 5 6 7 8 9

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		APP FIG	APP OR WEG	PROVIDE	
				QUANTITY	
FOR "T" INTERFACE ISLU IS	REMOVE FROM	PSAT	1	Z,V	1 PER SYSTEM
	CO-LOCATED WITH			Y,T	
FOR "U" INTERFACE ISLU IS	REMOVE FROM			X,S	
	CO-LOCATED WITH			W,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

304. THE FOLLOWING IS A LIST OF ASSOCIATED CIRCUITS:  
SD-5D001-01 5ESS  $\text{\textcircled{B}}$  SWITCH FLOOR PLAN DATA  
SD-5D014-02 5ESS  $\text{\textcircled{B}}$  SWITCH SYSTEM APPLICATION SCHEMATIC  
SD-5D091-01 ISLU  
SD-5D118-01 SWITCHING MODULE

305. GLOSSARY:  
PSAT PUBLIC SAFETY ALI TRANSLATOR

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

- 5D5-118-213 5ESS  $\text{\textcircled{B}}$  SWITCH RECENT CHANGE MANUAL FOR 5E4(2) GENERIC
- 5D5-200-100 BUSINESS AND RESIDENCE CUSTOMER SERVICES (BRCS) ASSIGNMENT GUIDE
- 533-620-130 5ESS  $\text{\textcircled{B}}$  SWITCH PSAT TRANSLATOR USERS MANUAL
- TG-5 5ESS  $\text{\textcircled{B}}$  SWITCH TRANSLATOR GUIDE

307. PSAT BOX IS UL AND FCC APPROVED.

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