

C-E Trouble Record <small>FOR USE OF THIS FORM, SEE FM 24-22 PROponent AGENCY IS HQ, TRADOC</small>		DTG	REPORT NUMBER																			
1. STATION REPORTING 		2. PERSON MAKING REPORT a. NAME _____ b. PROSIGN _____ c. POSITION _____																				
3. RESTORATION PRIORITY 		4. RE-ROUTE PATH 																				
5. TROUBLE IDENTIFICATION <table style="width: 100%;"> <tr> <td style="width: 60%;">a. SYSTEM NUMBER _____</td> <td style="width: 40%;">TIME OUT _____ ETR _____</td> </tr> <tr> <td>b. CIRCUIT NUMBER _____</td> <td>TIME OUT _____ ETR _____</td> </tr> <tr> <td>c. CIRCUIT GROUP NUMBER _____</td> <td>TIME OUT _____ ETR _____</td> </tr> <tr> <td>d. TERMINAL EQUIPMENT CODE _____</td> <td>TIME OUT _____ ETR _____</td> </tr> </table>					a. SYSTEM NUMBER _____	TIME OUT _____ ETR _____	b. CIRCUIT NUMBER _____	TIME OUT _____ ETR _____	c. CIRCUIT GROUP NUMBER _____	TIME OUT _____ ETR _____	d. TERMINAL EQUIPMENT CODE _____	TIME OUT _____ ETR _____										
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b. CIRCUIT NUMBER _____	TIME OUT _____ ETR _____																					
c. CIRCUIT GROUP NUMBER _____	TIME OUT _____ ETR _____																					
d. TERMINAL EQUIPMENT CODE _____	TIME OUT _____ ETR _____																					
6. REASON FOR OUTAGE (RFO) a. INITIAL RFO _____ b. EXPLANATORY REMARKS: _____																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">7. RESOURCES AFFECTED</th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td style="width: 20%;">EQUIPMENT</td> <td style="width: 25%;">a. NOMENCLATURE</td> <td style="width: 15%;">b. UNIT</td> <td style="width: 15%;">c. QUANTITY</td> <td colspan="2" style="width: 25%;">d. RESOURCE CODE</td> </tr> <tr> <td>PERSONNEL</td> <td>e. GRADE/MOS</td> <td>f. UNIT</td> <td>g. QUANTITY</td> <td colspan="2">h. RESOURCE CODE</td> </tr> </table>					7. RESOURCES AFFECTED						EQUIPMENT	a. NOMENCLATURE	b. UNIT	c. QUANTITY	d. RESOURCE CODE		PERSONNEL	e. GRADE/MOS	f. UNIT	g. QUANTITY	h. RESOURCE CODE	
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PERSONNEL	e. GRADE/MOS	f. UNIT	g. QUANTITY	h. RESOURCE CODE																		
8. REMEDIAL ACTION TAKEN OR ASSISTANCE REQUIRED 																						
9. REMARKS 																						
10. ACTUAL TIME OF RESTORATION a. INITIAL TROUBLE REPORT DTG _____ b. FINAL RFO _____ b. DTG OF RESTORATION _____ d. TIME REPORTED _____																						

REASON FOR OUTAGE CODE

Listed below are the most used codes. A more complete listing of RFO codes is found in DCAC 310-55-1, Volume II.

First Character Location of Outage Code

Code Letters	Meaning	Code Letters	Meaning	Code Letters	Meaning	Code Letters	Meaning
A	Distant End User Term	AC	Air Conditioning Equip	EU	RF Amplifier	NA	No Contact
B	TROPO Path Propagation	AP	Property Damage	EV	Telegraphic Multiplex	NB	No Trouble Found-CWT
C	Commercial Leased Facility	AQ	Enemy Action*	EW	VF Multiplex	NC	No Trouble Found-CBT
D	Distant End	AW	Weather*	EZ	Transmitter	NJ	Other*
E	Local CNCEIT)	BE	Operator Error*	FC	Frequency Change	NL	Unidentified*
F	Non-Mil US Sta FAC	BF	Quality Control T-rsing	GA	Tropo Scatter System	NP	Commercial Failure*
G	Nonreporting Mil Sta	BJ	Circuit Equalization	GB	VHF Radio System	NQ	User Wiring
H	Intersite Facility	BK	Station Movement	GC	Microwave Radio Sys	NR	User Equipment*
I	Interface US Mil System	BP	Preemption	GD	HF Radio System	NS	CNCEIT) Wiring
J	Intermediate CNCEIT)	BQ	Circuit Coordination	GE	UHF Radio System	NU	Coordination
K	Military Relay Site	BW	Control Seizure	GF	SHF Radio System	PA	Power Surge
L	Local Satellite Terminal	CN	Crypto Maint-Demand	JA	High Noise Level	PB	Power Dip
M	Distant End Sat Terminal	CP	Crypto Maint-Prevent	JB	High Signal Level	PC	Power Out-Contam Fuel
N	Unknown Location	CQ	Crypto Reset	JC	Low Signal Level	PE	Power Cable*
O	Airborne User Term (Radio)	EC	Error Detection	JD	Signal Loss	PF	Power Out-Mil Primary*
P	Path (Radio)	EE	Signaling Equipment	JE	Manmade Interference	PG	Power Out-Mil Pri & BU*
Q	Satellite	EF	Antenna	KF	Signal Distortion	PJ	Power Out-Cml Pri&BU*
R	Local Rev Site (Radio)	EH	Combiner	KG	Signal Fade	PK	Power Out-Cml&Mil*
S	Complete Local Sta Fac	EJ	Converter	KH	Frequency Shift Drift	PQ	AC Power Supply Equip
T	Local Xmr Site (Radio)	EL	Duplexer	KJ	Natural Interference	PR	DC Power Supply Equip
U	Local User Terminal	FM	Exciter	LK	Limited Bandwidth	OA	Submarine Cable*
V	Commercial-Foreign Sta FAC	EN	Heat Exchanger	LM	Reduced Channel OP	RA	Landline Cable Wire*
W	Path (Wire Cable)	EP	IF Amplifier	ME	Engineering*	SA	Satellite Degradation*
X	Interface Allied Mil Sta Fac	EQ	Modulator (MODEM)	MM	Modification*	SB	Satellite Failure
Y	Interface Allied Mil System	ER	Oscillator	MP	Preventive Maint	SC	Satellite Event*
Z	Unidentified (Initial Report Only)	ES	Power Amplifier	MQ	Installation	SD	Satellite Transmitter*
		ET	Receiver			SF	Satellite Receiver*
						SH	Satellite Tracking*

Asterisk Code (*) must be explained in paragraph 6b

RESOURCE STATUS CODE (RSC)

First Character Condition	Second Character Cause	Third Character Operational Impact	First Character Condition	Second Character Cause	Third Character Operational Impact
1 Activation	1. Telecom Svc Order	1 Increased Capability	5 Deactivation	5. Enemy Action*	5 Movement Required*
2 Reduced Operations*	2 Equipment Damaged	2 Reduced Cap Op*	6 Insufficient Equipment*	6. Personnel Casualty	6 Restoration Required
3 Inoperable Facilities	3 Equipment Failure	3 Personnel Required (MOS & NO)*	7 Improper Equipment	7. Weather	7 Frequencies Required
4 Insufficient Personnel	4 Equipment Destroyed.	4 Equipment Required (Type & No)*	8 Reduced Service	8 Personnel Error*	8 Frequencies Released
Asterisk Codes (*) must be explained in paragraph 8			9 Reserve Resources Used	9. Frequency Change*	9 Complete Loss of Service
			0 Other*	0 Other*	0 Other*

Operational Resource Record FOR USE OF THIS FORM, SEE FM 24 22 PROponent AGENCY IS HQ, TRADOC		DTG		REPORT NUMBER	
1. TO:			2. FROM:		
3. PRECEDENCE			4. SECURITY CLASSIFICATION		
5. TEAM STATUS					
a. TEAM CODE		b. NO. COMMITTED		c. NO. AVAILABLE	
d. NO. INCOMPLETE					
6. CRITICAL SHORTAGES <i>(Refers to incomplete teams and separate resources)</i>					
a. EQUIPMENT					
(1) TEAM CODE	(2) NOMENCLATURE		(3) QUANTITY	(4) REMEDIAL ACTION TAKEN	
b. PERSONNEL					
(1) TEAM CODE	(2) MOS TITLE	(3) GRADE	(4) QUANTITY	(5) MOS	(6) REMEDIAL ACTION TAKEN
NAME & TITLE OF PERSON REPORTING				SIGNATURE	

Codes and Composition of Technical Teams

Team Type	Equipment Nomenclature	Team Code	No. of Per.	Major Signal Components	Vehicle
AUTOMATIC SWITCH	AN TTC-25 (V1)	AS 251	7	AN TTC-25 (300)	2 1 2 T
	AN TTC-25 (V2)	AS 252	7	AN TTC-25 (600)	2 1 2 T
	AN TTC-38 (V1)	AS 381	7	AN TTC-38 (300)	2 1 2 T
	AN TTC-38 (V2)	AS 382	7	AN TTC-38 (600)	2 1 2 T
	AN TTC-41 (V1)	AS 383		SB-3614 TT	5 4 T
	AN TTC-41 (V2)	AS 384		SB-3614 TT	5 4 T*
	AN TTC-41 (V3)	AS 385		SB-3614 TT	1 4 T R
CABLE CONSTRUCTION	Spiral 4	CC 027	12	3 M ₁ WF-8 G.(CX-11230 G)	3 4 T & 2 1/2 T
	Field Wire	CC 017	8	6 M ₁ WD-1 TT, WF-16 U	3 4 T & 2 1/2 T
MANUAL SWITCH	AN MTC-1	MS 001	3	AN MTC-1 (220)	2-2 1 2 T
	AN MTC-7	MS 007	1	AN MTC-7 (60)	3 4 T
	AN MTC-9	MS 009	9	AN MTC-9 (660)	2 Vans
	AN TTC-35 (V1)	MS 351	1	AN TTC-35 (V1)(50)	1 1 4 T
	AN TTC-35 (V2)	MS 352	2	AN TTC-35 (V2)(100)	1 1 4 T
MULTIPLEXER	AN MCC-3	MU 003	3	1 AN TCC-8	3 4 T
	AN MCC-6	MU 006	3	2 AN TCC-4, 1 AN TCC-7, 1 AN TCC-50	2 1 2 T
	AN TCC-69	MU 060	3	2 TD-352	3 4 T
	AN TCC-61	MU 061	3	8 TD-352	2 1 2 T
	AN TCC-62	MU 062	3	2 TD-353	2 1 2 T
	AN TCC-65	MU 065	3	4 TD-660	1 1 4 T
	AN TCC-69	MU 069	3	2 TD-352	1 1 4 T
	AN TCC-72	MU 072	3	2 TD-660	1 4 T
	AN TCC-73	MU 073	3	2 TD-976, 8 TD-660	2 1 2 T
RADIO REPEATER SET	AN MRC-54	RR 054	3	3 AN TRC-24	2 1 2 T
	AN MRC-103	RR 103	3	3 AN GRC-50	2 1 2 T
	AN TRC-109	RR 109	3	2 AN GRC-50	3 4 T
	AN TRC-110	RR 110	3	3 AN GRC-50	2 1 2 T
	AN TRC-111	RR 111	3	1 AN GRC-147	2 1 2 T
	AN TRC-113	RR 113	3	3 AN GRC-103	1 4 T
	AN TRC-138	RR 138	3	3 AN GRC-144	2 1 2 T
	AN TRC-152	RR 152	3	3 AN GRC-50	2 1 2 T
	AN GRC-122	RA 122	4	AN GRC-122	3 4 T
	AN GRC-142	RA 142	3	AN GRC-142	3 4 T
RADIO TELETYPEWRITER	AN GRC-26D	RA 026	3	AN GRC-26D	2 1 2 T
RADIO TERMINAL SET	AN MRC-68	RT 068	3	3 AN GRC-10, 2 AN TCC-3	3 4 T
	AN MRC-69	RT 069	3	2 AN TRC-24, 1 AN TCC-7, 1 AN TCC-50	2 1 2 T
	AN MRC-73	RT 073	3	1 AN TRC-24, 1 AN TCC-7, 1 AN TCC-20	2 1 2 T
	AN MRC-102	RT 102	3	2 AN GRC-50, 1 AN TCC-7, 1 AN TCC-7, 1 AN TCC-20	2 1 2 T
	AN TRC-108	RT 108	3	1 AN GRC-50, 1 TD-352	3 4 T
	AN MRC-115	RT 115	3	2 AN GRC-103, 2 TD-660	1 1 4 T
	AN TRC-117	RT 117	3	2 AN GRC-50, 2 TD-352	2 1 2 T
	AN MRC-126	RT 126	3	1 AN GRC-103, 1 TD-660	1 1 4 T
	AN MRC-127	RT 127	3	2 AN GRC-103, 2 TD-660	1 1 4 T
	AN TRC-145	RT 145	3	2 AN GRC-103, 2 TD-660	1 1 4 T
	AN TRC-151	RT 151	3	2 AN GRC-50, 2 TD-660 AN VRC-49, AN GSA-7	2 1 2 T 1 4 T
SIGNAL CENTER	AN MGC-9	SC 009	4	2 SB-86 TTY	2 1 2 T
	AN MGC-17	SC 017	4	2 TTY Terminals	3 4 T
	AN MGC-19	SC 019	8	10 TTY Terminals	2 1 2 T
	AN MGC-22	SC 022	8	8 TTY Terminals	5 T
	AN MGC-23	SC 023	12	16 TTY Relay	5 T
	AN MSC-29	SC 029	10	12 TTY Terminals	2 1 2 T
	AN TSC-58	SC 058	10	12 TTY Terminals	2 1 2 T
	AN TSC-76	PP 076	3	1162 2 Wire Ckts	3 4 T
CNCE	SB-611 MRC	PP 611	4	1162 2 Wire Ckts	3 4 T
	SB-675 MSC	PP 675	4	954 2 Wire Ckts	2 1 2 T
	AN TSQ-84	PP 084	3	972 4 Wire Ckts	2 1 2 T
	AN TSQ-85	PP 085	4	4 TD-976	2 1 2 T
	AN TRC-112	TS 112	3	1 AN GRC-143	2-1 1 4 T
TROPO TERMINAL	AN TRC-121	TS 121	3	2 AN GRC-143	2-2 1 2 T

Reverse of Operational RESources Report (Codes and Composition of Technical Teams)

Traffic Status Record						DTG:	
FOR USE OF THIS FORM, SEE FM 24-22 PROONENT AGENCY IS HQ, TRADOC							
1. TO:				2. FROM:			
3. PRECEDENCE:				4. SECURITY CLASSIFICATION:			
5. PERIOD OF REPORT:							
FROM: (DTG)				TO: (DTG)			
6. TOTAL TRAFFIC FOR PERIOD: <i>(Automatic Switch Data Only)</i>							
		(1) ROUTINE	(2) PRIORITY	(3) IMMEDIATE	(4) FLASH	(5) FLASH OR	
a. NARROWBAND-VOICE/SECURE							
b. NARROWBAND-TT-DATA/SECURE							
c. WIDEBAND							
		TOTAL				ATTEMPTS	COMPLETIONS
d. CALLS CLASSMARKED FOR MANUAL SERVICE			h. OPERATOR CALLS				
e. INTERCEPT CALLS			i. INFORMATION CALLS				
f. RECALLS			j. PROGRESSIVE CONFERENCE CALLS				
g. AVERAGE HOLDING TIME			k. PRE-PROGRAMMED CONFERENCE CALLS				
7. TOTAL CALLS BY TRUNK GROUP:							
<input type="checkbox"/> AUTOMATIC SWITCH <input type="checkbox"/> MANUAL SWITCH (SELECTIVE PEG COUNTS)							
a. TRK. GRP. NO.	b. INCOMING	c. OUTGOING PRIMARY ALTERNATE		d. PREEMPTION ATTEMPT COMPLETION	e. CALLS LOST PRIMARY ALTERNATE		f. MAINT.
8. TOTAL MESSAGE/CARDS BY TRUNK GROUP (RELAY)							
a. TRUNK GROUP #		b. OUTGOING		c. INCOMING		d. BACKLOGGED	
9. TOTAL MESSAGE/CARDS (TERMINAL)							
FUNCTION		TYPE	1 ROUTINE	2 PRIORITY	3 IMMED	4 FLASH	
a. TRANSMITTED		MSG/CARD	/	/	/	/	
b. RECEIVED		MSG/CARD	/	/	/	/	
c. BACKLOGGED		MSG/CARD	/	/	/	/	
d. HANDLING TIME		MSG/CARD	/	/	/	/	
e. UNACCOUNTED		MSG/CARD	/	/	/	/	
10. MESSENGER SERVICE TOTALS:			a. SCHEDULED:		b. SPECIAL:		
			(1) AIR:		(1) AIR:		
			(2) MOTOR:		(2) MOTOR:		

SPECIAL C-E AUTHORIZATION REQUEST <small>FOR USE OF THIS FORM. SEE FM 24 22 PROONENT AGENCY IS HQ. TRADOC</small>		DTG:
1. TO:	2. FROM:	
3. PRECEDENCE:	4. SECURITY CLASSIFICATION:	
5. SUBSCRIBER INFORMATION: <i>(To Be Completed by Requester)</i>		
a. ORGANIZATION:	b. LOCATION: <i>(Coordinates)</i>	
c. DATE OF REQUEST:	d. DATE NEW SERVICE REQUIRED:	
e. CURRENT COMMUNICATION SERVICE <i>(In Addition to Organic TOE)</i> PROVIDED: (1) TRUNKS: VOICE_____ TELETYPEWRITER_____ DATA_____ (2) SUBSCRIBER: LOCAL LINES_____ EXTENSIONS_____ (3) PREFERENTIAL SERVICES: SPECIFY _____ (4) DEDICATED CIRCUITS: _____ (5) RWI CALL SIGN _____ (6) SPECIAL TERMINAL EQUIPMENT AUTHORIZED ABOVE DOCTRINE: _____		
f. ADDITIONAL COMMUNICATION SERVICE REQUESTED:		
g. JUSTIFICATION:		
6. ASSESSMENT OF SCAR <i>(For Nodal Authority Use)</i>		
a. ADDITIONAL RESOURCES OR FACILITIES REQUIRED:		
b. AVAILABILITY OF REQUIRED RESOURCES/FACILITIES:		
c. ADDITIONAL CONSIDERATIONS:		
d. ACTION RECOMMENDED:		
e. APPROVAL/DISAPPROVAL	SIGNATURE	

Telecommunications Service Order

FOR USE OF THIS FORM SEE FM 24-22
PROPOSER AGENCY IS HQ TRADOC

1. TO:

2. FROM:

3. INFO:

4. SECURITY CLASSIFICATION:

5. PRECEDENCE:

6. TSO NUMBER:

DTG:

7. REFERENCE

a. HEADQUARTERS:

b. DTG:

c. SUBJECT:

8. SYSTEM/CIRCUIT INFORMATION:

a. ACTION REQUIRED: ☐ ACTIVATE ☐ DEACTIVATE ☐ REROUTE ☐ MODIFY

b. REQUIRED COMPLETION DTG _____

c. RESTORATION PRIORITY _____

d. STATION/FACILITY DESIGNATOR _____

e. SYSTEM/CIRCUIT DESIGNATOR _____

f. ROUTING INSTRUCTIONS _____

g. USER IDENTIFICATION _____

h. INTERFACE _____

i. CONDITIONING _____

j. WIRE/CABLE (1) TYPE _____ (2) TERM A LOC _____ (3) TERM B LOC _____

k. RADIO SYSTEMS:

(1) TERM A LOC _____

(a) ANTENNA: AZ _____ HT _____ PLRZ _____

(b) FREQUENCY: S _____ R _____ (c) CALL SIGN _____

(2) TERM B LOC _____

(a) ANTENNA: AZ _____ HT _____ PLRZ _____

(b) FREQUENCY: S _____ R _____ (c) CALL SIGN _____

(3) RELAY _____ LOC _____ CALL SIGN _____

(a) ANT AZ _____ HT _____ PLRZ _____ FREQ S _____ R _____

(b) ANT AZ _____ HT _____ PLRZ _____ FREQ S _____ R _____

9. EQUIPMENT INFORMATION:

a. ACTION REQUIRED: ☐ INSTALL ☐ REMOVE ☐ MODIFY ☐ REPAIR/REPLACE

☐ OTHER _____

b. TYPE/MODEL NUMBER

c. QUANTITY

d. LOCATION

10. REMARKS: (Use back of form if necessary)

DTG COMPLETED AND REPORTED

PERSON VERIFYING COMPLETION

C-E System Document Change Order FOR USE OF THIS FORM, SEE FM 24-22 PROPONENT AGENCY IS HQ, TRADOC		DTG:
1. TO:		FROM:
3. INFO:		4. SECURITY CLASSIFICATION:
		5. PRECEDENCE:
6. CHANGE ORDER NUMBER:		
7. EFFECTIVE DTG OF CHANGE:		
8. REFERENCE DOCUMENT:		
a. TITLE	b. NUMBER	c. DTG
9. NARRATIVE DESCRIPTION OF CHANGE:		
a. DELETION:		
b. ADDITION:		
AUTHORIZED BY: NAME, TITLE		SIGNATURE

SYSTEM AND CIRCUIT STATUS RECORD											
1. SYSTEM/CIRCUIT NO.			2. TERMINAL - TO		FROM		3. TYPE		4. CONTROL CSCE		5. RP
6. TSO/AUTHORITY NO. DTG			7. DTG ACTIVATED					8. USER - TITLE			
9. SYSTEM TERMINAL EQUIPMENT			10. CIRCUIT TERMINAL EQUIPMENT					11. USER-CONTACT TEL. NO.			
12. SYSTEM INTERFACE EQUIPMENT			13. CIRCUIT INTERFACE EQUIPMENT					14. CIRCUIT CONDITIONING EQUIPMENT			
ANALOG/DIGITAL CONVERTER			DC TELEGRAPH LINE CONVERTOR			AMPLITUDE EQUALIZER					
ASYNCHRONOUS DIG COMBINER			IMPEDENCE MATCHING			ATTENUATOR					
CRYPTOGRAPHIC UNIT			MODEM RATE: _____			DELAY EQUALIZER					
DATA BUFFER			SIGNALLING CONVERTER			ECHO SUPPRESSOR					
DIGITAL MULTIPLEXER			OTHER:			LINE AMPLIFIER					
VF MULTIPLEXER						PAD					
OTHER:						REGENERATIVE REPEATER					
						RELAY COIL					
15. ROUTING						OTHER:					
16. SYSTEM TERMINATION IDENTIFICATION						SYSTEM NO. _____		17. CIRCUIT PANEL APPEARANCE			
GROUP	DESIGNATOR	CH	GROUP	DESIGNATOR	CH	IN		OUT			
1			5								
2			6								
3			7								
4			8								
1. SYSTEM/CIRCUIT NO.			2. TERMINAL - FROM		TO		3. TYPE		4. CONTROL CSCE		5. RP

FOR USE OF THIS FORM, SEE FM 24-22
PROPONENT AGENCY IS HQ. TRADOC

[illegible]

1 SYSTEM NO		2 TERMINAL FROM TO		3 TYPE		4 CONTROLLING CSCE		5 RP		6 GROUP	
GROUP	CHAN	CIRCUIT NUMBER		RP		GROUP	CHAN	CIRCUIT NUMBER		RP	
	1						1				
	2						2				
	3						3				
	4						4				
	5						5				
	6						6				
	7						7				
	8						8				
	9						9				
	10						10				
	11						11				
	12						12				
SYSTEM AND CIRCUIT STATUS RECORD - SYSTEM CHANNEL ALLOCATION											

SYSTEM AND CIRCUIT STATUS RECORD - SYSTEM CHANNEL ALLOCATION											
GROUP	CHAN	CIRCUIT NUMBER		RP		GROUP	CHAN	CIRCUIT NUMBER		RP	
	1						1				
	2						2				
	3						3				
	4						4				
	5						5				
	6						6				
	7						7				
	8						8				
	9						9				
	10						10				
	11						11				
	12						12				
1 SYSTEM NO		2 TERMINAL FROM TO		3 TYPE		4 CONTROLLING CSCE		5 RP		6 GROUP	