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File No.

Name

No. 00

REGRADED Unclass per Sec of Def memo
BY AUTHORITY OF Sub Declass of WW II Records
BY B Gawthorp
ON 26 Sep 77

SIGNAL OPERATION INSTRUCTIONS

84TH INFANTRY DIVISION

~~GROUP 3 - Downgraded at 12 year intervals; not automatically declassified. DOD DIR 5200.10~~

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UNCLASSIFIED [redacted] OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1 Z

1. THE FOLLOWING SIGNAL OPERATION INSTRUCTIONS (SOI) ARE EFFECTIVE AS INDICATED ON THE INDIVIDUAL ITEMS. WHEN CHANGES ARE ISSUED THE ITEMS SUPERSEDED WILL BE DESTROYED BY BURNING.

2. THE LOSS, CAPTURE OR COMPROMISE OF THIS SOI OR ANY PORTION THEREOF WILL BE REPORTED TO THIS HEADQUARTERS BY THE FASTEST MEANS AVAILABLE.

3. THIS SOI NORMALLY WILL BE KEPT IN THE MSG CEN OF UNIT TO WHICH IT IS ISSUED. EXCEPT TO AVOID CAPTURE, IT WILL NOT BE REMOVED FROM CP OF THE UNIT.

4. UNITS HOLDING THIS SOI WILL MAKE PROVISIONS FOR DESTROYING IT IF CAPTURE BECOMES IMMINENT. WHEN NECESSARY THAT INFORMATION CONTAINED IN THIS SOI BE REMOVED FROM CP IN WRITING, EXTRACTS MAY BE MADE. SUCH EXTRACTS, HOWEVER, WILL BE IN SUCH FORM THAT THEY CAN BE DESTROYED IMMEDIATELY IF CAPTURE BECOMES IMMINENT.

5. THIS SOI, AS A COMPLETE DOCUMENT, IS CLASSIFIED "CONFIDENTIAL". CERTAIN ITEMS ARE CLASSIFIED "CONFIDENTIAL" AND OTHERS "RESTRICTED". EXTRACTS FROM THE SOI WILL CARRY THE CLASSIFICATION OF THE EXTRACTED ITEM.

BY COMMAND OF MAJOR GENERAL HILLDRING:

C. J. BARRETT
COL G S C
C OF S

OFFICIAL:

David M. Fowler
DAVID M. FOWLER
LT COL GSC
AC OF S G-3

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43 Ø5Ø1 Z

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NO 13

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1Z

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DISTRIBUTION "S"
NO 1

	COPIES
THIRD ARMY	2
X CORPS	6
HQ 84TH INF DIV	2
DIV SIG O	1Ø
84TH SIG CO	3
84TH CAV RCN TRP	1
309TH MED BN	1
309TH ENGR BN	1
784TH ORD CO	1
84TH QM CO	1
HQ DIV ARTY	2
325TH FA BN	2
326TH FA BN	2
327TH FA BN	2
909TH FA BN	2
333RD INF REGT	8
334TH INF REGT	8
335TH INF REGT	8
TOTAL	62

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SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1 Z

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COMMUNICATION INSTRUCTIONS
NO 1

1. GENERAL: COMMUNICATIONS IN GENERAL WILL BE CARRIED ON IN ACCORDANCE WITH INSTRUCTIONS CONTAINED IN CURRENT FIELD MANUALS AND SOP.

2. MESSAGE CENTER: MSG CEN OPERATION WILL BE CONTINUOUS AT EACH FIELD CP AND RR ECH. MESSAGES SUBMITTED TO MSG CEN FOR TRANSMISSION WILL BE IN SUFFICIENT QUANTITY TO PROVIDE ONE COPY PER ADDRESSEE PLUS ONE FOR MSG CEN FILE.

3. TELEPHONE: TP SVC IS PROVIDED PRIMARILY FOR THE USE OF THE CG (CO) AND HIS PRINCIPAL STAFF OFFICERS. ITS USE WILL BE LIMITED TO THOSE SITUATIONS WHERE DISCUSSION IS NECESSARY. WHEN USED THE FOLLOWING PRACTICES WILL BE OBSERVED: (1) PREPARE SUBJ MATTER OF CONVERSATION BEFORE PLACING CALL; (2) PLACE CALL BY CODE NAME AND NUMBER; (3) DO NOT HANG UP PENDING COMPLETION OF CALL UNLESS OPERATOR SO INSTRUCTS; (4) DO NOT LEAVE TELEPHONE PENDING COMPLETION OF CALL; (5) IF CALLED PARTY IS ABSENT OR HIS LINE IS BUSY CALL BACK LATER, DO NOT HOLD LINE; (6) ANSWER PHONE PROMPTLY GIVING CODE NAME AND NUMBER; (7) RING OFF UPON COMPLETETION OF CONVERSATION.

4. TELEGRAPH: FULL USE WILL BE MADE OF AVAILABLE TG FACILITIES. LONG MESSAGES AND ROUTINE REPORTS WILL BE SENT BY TG WHEN MSGR TRANSMISSION IS NOT PRACTICAL.

5. RADIO: (1) WHERE OTHER MEANS OF COMMUNICATION ARE AVAILABLE RADIO WILL BE CONSIDERED AN EMERGENCY MEANS. (2) RADIO STATIONS WILL OPERATE ONLY ON THEIR ASSIGNED FREQUENCIES WITH THEIR AUTHORIZED CALL SIGNS OR WORDS. (3) NO RADIO STATION WILL OPERATE UNDER OR IN THE IMMEDIATE VICINITY OF POWER LINES.

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(4) ALL RADIO NETS WILL BE CALIBRATED AGAINST THE UNIT'S FREQUENCY METER EACH TIME A NET IS PLACED IN OPERATION AND EVERY SIX HOURS DURING OPERATION; (5) UNIT FREQUENCY METERS WILL BE CALIBRATED BY THE DSO ONCE EACH THIRTY DAYS.

6. CRYPTOGRAPHIC SECURITY: ALL AGENCIES HANDLING CRYPTOGRAPHIC MATERIALS WILL PROVIDE THEMSELVES WITH THE NECESSARY FACILITIES AND FUEL TO COMPLETELY DESTROY ALL CRYPTOGRAPHIC MATERIALS AND EQUIPMENT, INCLUDING FILE COPIES OF MESSAGES, IF CAPTURE IS IMMINENT.

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SIGNAL OPERATION INSTRUCTIONS

(2Ø SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

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RADIO NETS, FREQUENCIES, CALL SIGNS
NO 5

	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
DIV COMMAND NET - - -			E4R8	SCR-284
84TH INF DIV - - -	ØØØ1-Ø93Ø	H-4179	G2E7	
333RD INF - - - - -			U1N6	
334TH INF - - - - -	Ø931-15ØØ	F-41ØØ	S9A3	
335TH INF - - - - -			Y1Y6	
DIV ARTY HQ - - - -	1501-24ØØ	E-4Ø23	7C25	
DIV MARCH COMMAND NET			71Y8	SCR-193
84TH DIV HQ - - - -	ØØØ1-Ø93Ø	E-4Ø23	G2E7	
CT 333 - - - - - -			N5E7	
CT 334 - - - - - -	Ø931-15ØØ	H-4179	S812	
CT 335 - - - - - -			E7U4	
DIV TROOPS - - - -	1501-24ØØ	N-3825	57U1	
NOTE: SIG CO RADIO CARS. WHEN COMBAT TEAMS ARE DISSOLVED, THE REGULAR DIV COMMAND NET TAKES OVER, THIS NET IS CLOSED AND SIG CO CARS RETURN TO DIV CP.				
DIV AA-AT WARNING NET			R2M4	
*84TH DIV HQ - - - -			G2E7	SCR-193
84TH CAV RCN TR - -			M8E3	SCR-193
333RD INF - - - - -	ØØØ1-Ø93Ø	0-4146	U1N6	SCR-245
AT CO 333RD INF -			T9Y7	SCR-245
334TH INF - - - - -	Ø931-15ØØ	0-4146	S9A3	SCR-245
AT CO 334TH INF -			Z5M9	SCR-245
335TH INF - - - - -	1501-24ØØ	0-4146	Y1Y6	SCR-245
AT CO 335TH INF -			A2Q4	SCR-245
**DIV ARTY HQ - - - -			7C25	SCR-284
*DIV ARTY HQ - - - -		CHAN"D"		SCR-6Ø8
**325TH FA BN - - - -			6GN9	SCR-284
**326TH FA BN - - - -			5T23	SCR-284

(CONTINUED ON SHEET 2)

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SHEET 1

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
DIV AA-AT WARNING NET (CONTINUED FROM SHEET 1)				
**327TH FA BN - - - - -			Q1U6	SCR-284
**909TH FA BN - - - - -			M7M1	SCR-284
**309TH ENGR BN - - -			J3Y7	SCR-284
NOTES:				
* THE T&T SECTION 84TH SIG CO WILL FURNISH DIRECT TP CONNECTION BETWEEN DIV WARNING NET NCS AND WHATEVER CAR DIV ARTY DESIGNATES AS NCS AND DIV ARTY AA-AT WARNING NET.				
** UNIT WILL LISTEN AND BE PREPARED TO TRANSMIT IN THIS NET WHEN SET IS NOT REQUIRED IN COMMAND OR AIR-GROUND NETS.				
DIV RCN NET - - - - - -	ØØØ1-Ø93Ø	F-41ØØ	U9K9	
84TH INF DIV HQ - - (SIG CO RAD CAR)	Ø931-15ØØ	N-3825	G2E7	SCR-193
84TH CAV RCN TR - -	15Ø1-24ØØ	D-42Ø6	M8E3	
MOBILE NET (84TH SIG CO)			1H73	SCR-193
CAR #1 - - - - - - -	ØØØ1-Ø93Ø	T-23Ø1	A7B2	
CAR #2 - - - - - - -			F9Ø1	(SIG CO
CAR #3 - - - - - - -	Ø931-15ØØ	R-3Ø94	66B2	RAD CAR
CAR #4 - - - - - - -			Ø7S1	SEE NOTE
CAR #5 - - - - - - -	15Ø1-24ØØ	Q-2Ø37	L6E8	BELOW
CAR #6 - - - - - - -			J2Ø4	
NOTE: THESE STATIONS WILL STAND BY ON NET FREQ AND AWAIT INSTRUCTIONS.				
DIV REAR OP NET - - -		22	CABIN	SCR-195
DIV HQ - - - - - - -			CABDAGE	
OP #1 (333RD INF) -			CABLE	
OP #2 (334TH INF) -			CABMAN	
OP #3 (335TH INF) -			CACKLE	
OP #4 (DIV ARTY) -			CAD	
DIV SVC NET - - - - -			V7X9	
DIV CP - - - - - - -	ØØØ1-Ø93Ø	D-42Ø6	G2E7	SCR-193
DIV RR ECH - - - -	Ø931-15ØØ	E-4Ø23	A3S4	SCR-193
309TH ENGR BN - - -	15Ø1-24ØØ	F-41ØØ	J3Y7	SCR-284

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
333RD INF COMMAND NET			F7V6	SCR-284
333RD INF HQ - - - - -	ØØØ1-Ø93Ø	G-38Ø1	U1N6	
1ST BN - - - - - - - -			6Ø93	
2ND BN - - - - - - - -	Ø931-15ØØ	L-5155	NL98	
3RD BN - - - - - - - -			L4D8	
*AT CO - - - - - - - -	1501-24ØØ	I-3964	T9Y7	
*SVC CO - - - - - - - -			19C5	
NOTE: * THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMTL COM PL WHEN RGMTL CO CONSIDERS THE SITUATION WARRANTS ESTABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				
333RD INF INT AND RCN NET		COIL #1	CADDY	SCR-511
INT & RCN PLAT HQ - (SET #1)			CADENCE	
SET #2 - - - - - -			CADET	
SET #3 - - - - - -			CADRE	
SET #4 - - - - - -			CAFE	
ANTITANK CO 333RD INF COMMAND NET - - - - -		*	CAGE	SCR-536
ANTITANK CO HQ (SET #1)			CAIN	
SET #2 - - - - - -			CAKE	
SET #3 - - - - - -			CALF	
SET #4 - - - - - -			CASTOFF	
SET #5 - - - - - -			CALM	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED				
333RD INF SCR-195 SPECIAL NETS				SCR-195
TEAM #1 - - - - - - -		5		
SET 1 - - - - - - -			CAME	
SET 2 - - - - - - -			CAMEL	
TEAM #2 - - - - - - -		7		
SET 3 - - - - - - -			CAMP	
SET 4 - - - - - - -			CAMPUS	

(CONTINUED ON SHEET 4)

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	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
333RD INF (CT) 195 SPECIAL NETS (CONTINUED FROM SHEET 3)				
TEAM #3 - - - - -		9		SCR-195
SET 5 - - - - - -			CAN	
SET 6 - - - - - -			CANAL	
TEAM #4 - - - - -		11		
SET 7 - - - - - -			CANCEL	
SET 8 - - - - - -			CANDLE	
1ST BN 333RD INF				
COMMAND NET - - - - -		*	CANDY	SCR-536
1ST BN HQ - - - - -			CANNON	
1ST BN OP - - - - -			CANNOT	
A COMPANY - - - - -			CANOE	
B COMPANY - - - - -			CANTEEN	
C COMPANY - - - - -			CANVAS	
D COMPANY - - - - -			CAT	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
2ND BN 333RD INF				
COMMAND NET - - - - -		*	CAPTAIN	SCR-536
2ND BN HQ - - - - -			CAPE	
2ND BN OP - - - - -			CAPSULE	
E COMPANY - - - - -			CAMPHOR	
F COMPANY - - - - -			CALLER	
G COMPANY - - - - -			CALCIUM	
H COMPANY - - - - -			CHAP	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
3RD BN 333RD INF				
COMMAND NET - - - - -		*	CAR	SCR-536
3RD BN HQ - - - - -			CARBINE	
3RD BN OP - - - - -			CARBIDE	
I COMPANY - - - - -			CARE	
K COMPANY - - - - -			CAREER	
L COMPANY - - - - -			CAREFUL	
M COMPANY - - - - -			CARELESS	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

ITEM 4 SHEET 4

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
334TH INF COMMAND NET			V5P7	SCR-284
334TH INF HQ - - - - -	ØØØ1-Ø93Ø	I-3964	S9A3	
1ST BN - - - - - - - -			C601	
2ND BN - - - - - - - -	Ø931-15ØØ	U-5669	64P1	
3RD BN - - - - - - - -			6W51	
*AT CO - - - - - - - -	1501-24ØØ	L-5155	Ƶ5M9	
*SVC CO - - - - - - - -			P6A7	
NOTE: *THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMTL COM PL WHEN RGMTL CMDR CONSIDERS THE SITUATION WARRANTS ESTABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				
334TH INF INT & RCN NET		COIL 2	CARGO	SCR-511
INT & RCN PLAT HQ---			CARLINE	
(SET #1)				
SET #2 - - - - -			CARP	
SET #3 - - - - -			CARRIAGE	
SET #4 - - - - -			CARRY	
ANTITANK CO 334TH INF COMMAND NET - - - - -		*	CART	SCR-536
ANTITANK CO HQ (SET #1			CARVE	
SET #2 - - - - - -			CASE	
SET #3 - - - - - -			CASH	
SET #4 - - - - - -			CASKET	
SET #5 - - - - - -			CASTLE	
*FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED				
334TH INF SCR-195 SPECIAL NETS				SCR-195
TEAM #1 - - - - - - -		13		
SET 1 - - - - - -			CARRIED	
SET 2 - - - - - -			CARTON	
TEAM #2 - - - - - - -		15		
SET 3 - - - - - -			CASHIER	
SET 4 - - - - - -			CASING	

(CONTINUTED ON SHEET 6)

UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
334TH INF SCR-195 SPECIAL NETS (CONTINUED FROM SHEET 5)				
TEAM #3		17		SCR-195
SET 5			CASTOR	
SET 6			CATCHER	
TEAM #4		19		
SET 7			CAUTION	
SET 8			CAVE	
1ST BN 334TH INF				
COMMAND NET		*	CHOW	SCR-536
1ST BN HQ			CEASE	
1ST BN OP			CEDAR	
A COMPANY			CELL	
B COMPANY			CENSOR	
C COMPANY			CENTRAL	
D COMPANY			CERTAIN	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
2ND BN 334TH INF				
COMMAND NET		*	CHAIR	SCR-536
2ND BN HQ			CHALK	
2ND BN OP			CELLAR	
E COMPANY			CAUTIOUS	
F COMPANY			CATCH	
G COMPANY			CARVER	
H COMPANY			CARD	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
3RD BN 334TH INF				
COMMAND NET		*	CHAMBER	
3RD BN HQ			CHAMP	
3RD BN OP			CHANCE	
I COMPANY			CAESAR	
K COMPANY			CAMEO	
L COMPANY			CAMPAIGN	
M COMPANY			CAMPFIRE	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
335TH INF COMMAND NET			K2H9	SCR-284
335TH INF HQ - - - - -	ØØØ1-Ø93Ø	L-5155	Y1Y6	
1ST BN - - - - - - - -			I7J2	
2ND BN - - - - - - - -	Ø931-15ØØ	G-38Ø1	W4V1	
3RD BN - - - - - - - -			D8Ø5	
*AT CO - - - - - - - -	15Ø1-24ØØ	U-5669	A2Q4	
*SVC CO - - - - - - - -			H9E7	
NOTE: *THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMTL COM PL WHEN RGMTL CMDR CONSIDERS THE SITUATION WARRANTS ESTABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				
335TH INF INT & RCN NET		COIL #3 CHANGE		SCR-511
INT & RCN PLAT HQ - (SET #1)			CHANT	
SET #2 - - - - - - - -			CABBY	
SET #3 - - - - - - - -			CACTUS	
SET #4 - - - - - - - -			CALLOUS	
ANTITANK CO 335TH INF COMMAND NET - - - - - -		*	CENT	SCR-536
ANTITANK CO HQ (SET #1			CENSUS	
SET #2 - - - - - - - -			CHANDLER	
SET #3 - - - - - - - -			CANDID	
SET #4 - - - - - - - -			CANOPY	
SET #5 - - - - - - - -			CHAPLIN	
*FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED				
335TH INF SCR-195 SPECIAL NETS				SCR-195
TEAM #1 - - - - - - -		21		
SET 1 - - - - - - -			CAPSTONE	
SET 2 - - - - - - -			CAREFREE	
TEAM #2 - - - - - - -		23		
SET 3 - - - - - - -			CARESS	
SET 4 - - - - - - -			CARLINE	

(CONTINUED ON SHEET 8)

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
335TH INF SCR-195 SPECIAL NETS (CONTINUED FROM SHEET 7)				
TEAM #3		10		
SET 5			CARMAN	
SET 6			CAROL	
TEAM #4		16		
SET 7			CARPET	
SET 8			CARROT	
1ST BN 335TH INF				SCR-536
COMMAND NET		*	CARTRIDGE	
1ST BN HQ			CARTFUL	
1ST BN OP			CAST	
A COMPANY			CATBOAT	
B COMPANY			CATER	
C COMPANY			CATHODE	
D COMPANY			CAUSE	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
2ND BN 335TH INF				
COMMAND NET		*	CATFISH	SCR-536
2ND BN HQ			CAUGHT	
2ND BN OP			CAVERN	
E COMPANY			CEMENT	
F COMPANY			CHAFF	
G COMPANY			CHIEF	
H COMPANY			CHALLENGE	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
3RD BN 335TH INF				
COMMAND NET		*	CHARLIE	SCR-536
3RD BN HQ			CHAPEL	
3RD BN OP			CHAPTER	
I COMPANY			CHARCOAL	
K COMPANY			CHARGE	
L COMPANY			CHERRY	
M COMPANY			CHARM	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

ITEM 4

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SHEET 8

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
DIV ARTY COMMAND NET			75J3	SCR-284
DIV ARTY HQ - - - - -	ØØØ1-Ø93Ø	U-5669	7C25	
325TH FA BN - - - - -			6GN9	
326TH FA BN - - - - -	Ø931-15ØØ	I-3964	5T23	
327TH FA BN - - - - -			Q1V6	
909TH FA BN - - - - -	15Ø1-24ØØ	G-38Ø1	M7M1	
DIV ARTY AIR				
FREQUENCY "W" - - -		3865	N9D7	SCR-284
FREQUENCY "X" - - -		3931	N9D7	SCR-284
FREQUENCY "Y" - - -		5199	N9D7	SCR-284
FREQUENCY "Z" - - -		5254	N9D7	SCR-284
DIV ARTY HQ - - - - -			7C25	
325TH FA BN - - - - -			6GN9	
326TH FA BN - - - - -			5T23	
327TH FA BN - - - - -			Q1V6	
909TH FA BN - - - - -			M7M1	
*PLANE 1 - - - - - - -				
*PLANE 2 - - - - - - -				
*PLANE 3 - - - - - - -				
*PLANE 4 - - - - - - -				
*PLANES USE CALL SIGNS ASSIGNED BY PARENT ORGANIZATION				
DIV ARTY AA-AT		27.5	CAISSON	
WARNING NET - - - - -		D		
DIV ARTY CMDR (SET 1 CAR 1) - -			CHIP	SCR-6Ø8
DIV ARTY EXEC O (SET 2 CAR 2) - -			CHAIN	SCR-6Ø8
325TH FA BN CMDR'S CAR			CHIN	SCR-6Ø8
325TH FA BN AA-AT CAR			CHILL	SCR-628

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
DIV ARTY AA-AT WARNING NET (CONTINUED FROM SHEET 9)				
326TH FA BN COMDR'S CAR			CHIMNEY	SCR-608
326TH FA BN AA-AT CAR'			CATSUP	SCR-628
327TH FA BN CMDR'S CAR			CHEST	SCR-608
327TH FA BN AA-AT CAR'			CHEESE	SCR-628
909TH FA BN CMDR'S CAR			CHECK	SCR-608
909TH FA BN AA-AT CAR'			CHEW	SCR-628
THE ABOVE RADIO EQUIPPED CARS WILL ALWAYS CARRY NECESSARY EQUIPMENT TO ENABLE PERSONNEL TO IMMEDIATELY SOUND AURAL AA-AT WARNINGS.				
DIV ARTY CMDR SPECIAL NET - - - - - - - - - - -		27.0 T	(NONE)	
DIV ARTY CMDR - - - - -			CHIP	SCR-608
DIV ARTY EXEC O - - - -			CHAIN	SCR-608

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ITEM 4

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
325TH FA BN CONTROL NET		28.9 K	CHILDREN	
BN CMDR'S CAR			CHIN	SCR-608
BN EX CAR			CHIFFON	SCR-608
BN S-4 (CO SVC BTRY			CHEVRON	SCR-628
BN RCN DET			CHEMIST	SCR-610
BN MUN O			CHESTNUT	SCR-628
A BATTERY			CHECKUP	SCR-608
B BATTERY			CHEAT	SCR-608
C BATTERY			CHAUFFEUR	608
325TH FA BN LIAISON NET 1		29.0 A		
FD SET #1			CARBON	SCR-610
LIAISON O #1			CAPTOR	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				
325TH BN LIAISON NET 2		29.0 C		
FD SET #3			CARL	SCR-610
LIAISON O #2			CATSPAW	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
A BTRY 325TH FA BN CONTROL & FD NET		29.0 A	CHART	
BN FD SET 1			CARBON	SCR-610
BC A BTRY			CHECKUP	SCR-608
RCN O A BTRY			CHASE	SCR-610
EXEC A BTRY			CHASSIS	SCR-610
ASST EXEC A BTRY			CHATTER	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
B BTRY 325TH FA BN CONTROL		29.8		
& FD NET - - - - - - - -		B	CATTLE	
BN FD SET 2 - - - - - -			CHARTER	SCR-610
BC B BTRY - - - - - - -			CHEAT	SCR-608
RCN O B BTRY - - - -			CATGUT	SCR-610
EXEC O B BTRY - - - -			CHAT	SCR-610
ASST EXEC O B BTRY -			CHEER	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
C BTRY 325TH FA BN CONTROL		29.9		
& FD NET - - - - - - - -		C	CHICKEN	
BN FD SET 3 - - - - - -			CARL	SCR-610
BC C BTRY - - - - - - -			CHAUFFEUR	608
RCN O C BTRY - - - -			CENTER	SCR-610
EXEC O C BTRY - - - -			CHARM	SCR-610
ASST EXEC O C BTRY -			CHIRP	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
326TH FA BN CONTROL NET		30.4 K	CHOIR	
BN CMDR'S CAR - - - - -			CHIMNEY	SCR-608
BN EXEC CAR - - - - -			CHATEAU	SCR-608
BN S-4 (CO SVC BTRY)-			CHOKE	SCR-628
BN RCN DET - - - - -			CHOOSE	SCR-610
BN MUN O - - - - - -			CHRONIC	SCR-628
A BATTERY - - - - - -			CHROME	SCR-608
B BATTERY - - - - - -			CHOP	SCR-608
C BATTERY - - - - - -			CHLORINE	608
326TH FA BN LIAISON NET 1		30.5 A		
FD SET #1 - - - - - -			CATNIP	SCR-610
LIAISON O #1 - - - -			CHARMING	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				
326TH FA BN LIAISON NET 2		31.1 C		
FD SET #3 - - - - - -			CANNED	SCR-610
LIAISON O #2 - - - -			CARVING	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
A BTRY 326TH FA BN CONTROL & FD NET - - - - - - -		30.5 A	CANINE	
BN FD SET 1 - - - - -			CATNIP	SCR-610
BC A BTRY - - - - - -			CHROME	SCR-608
RCN O A BTRY - - - -			CASHBOOK	610
EXEC O A BTRY - - - -			CHILD	SCR-610
ASST EXEC O A BTRY -			CATCHWORD	610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
B BTRY 326TH FA BN CONTROL & FD NET - - - - - - - -		31.Ø B	CHRISTMAS	
BN FD SET 2 - - - - - -			CHARLOTTE	SCR-61Ø
BC B BTRY - - - - - - -			CHOP	SCR-6Ø8
RCN O B BTRY - - - - -			CANTON	SCR-61Ø
EXEC O B BTRY - - - - -			CAPESKIN	61Ø
ASST EXEC O B BTRY -			CAMPER	SCR-61Ø
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CAHNNEL "A"				
C BTRY 326TH FA BN CONTROL & FD NET - - - - - - - -		31.1 C	CHUM	
BN FD SET 3 - - - - - -			CANNED	SCR-61Ø
BC C BTRY - - - - - - -			CHLORINE	6Ø8
RCN O C BTRY - - - - -			CHURN	SCR-61Ø
EXEC O C BTRY - - - - -			CHURCH	SCR-61Ø
ASST EXEC O C BTRY -			CHUTE	SCR 61Ø
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
327TH FA BN CONTROL NET		31.6 K	CHAMP	
BN CMDR'S CAR			CHEST	SCR-608
BN EXEC CAR			CHUNK	SCR-608
BN S-4 (CO SVC BRTY			CHORUS	SCR-628
BN RCN DET			CHORE	SCR-610
BN MUN O			CHOICE	SCR-628
A BATTERY			CHISEL	SCR-608
B BATTERY			CHOSEN	SCR-608
C BATTERY			CAMERA	SCR-608
327TH FA BN LIAISON NET 1		31.7 A		
FD SET 1			CABOOSE	SCR-610
LIAISON O #1			CAFETERIA	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				
327TH FA BN LIAISON NET 2		32.3 C		
FD SET #3			CALAMITY	SCR-610
LIAISON O #2			CALCIMINE	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
A BTRY 327TH FA BN CONTROL & FD NET		31.7 A	CALENDAR	
BN FD SET #1			CABOOSE	SCR-610
BC A BTRY			CHISEL	SCR-608
RCN O A BTRY			CALCULUS	610
EXEC A BTRY			CALICO	SCR-610
ASST EXEC A BTRY			CALIX	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
B BTRY 327TH FA BN CONTROL		32.2		
& FD NET - - - - - - - -		B	CALORIE	
BN FD SET 2 - - - - -			CALUMET	SCR-610
BC B BTRY - - - - - -			CHOSEN	SCR-608
RCN O B BTRY - - - -			CANARY	SCR-610
EXEC O B BTRY - - - -			CAMELLIA	610
ASST EXEC O B BTRY -			CAPITAL	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
C BTRY 327TH FA BN CONTROL		32.3		
& FD NET - - - - - - - -		C	CARCASS	
BN FD SET 3 - - - - -			CALAMITY	SCR-610
BC C BTRY - - - - - -			CAMERA	SCR-608
RCN O C BTRY - - - -			CAPTION	SCR-610
EXEC O C BTRY - - - -			CAPON	SCR 610
ASST EXEC O C BTRY -			CELEST	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				

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	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
909TH FA BN CONTROL NET		27.8 K	CASINO	
BN CMDR'S CAR - - - - -			CHECK	SCR-608
BN EXEC CAR - - - - - -			CAREEN	SCR-608
BN S-4 (CO SVC BTRY)			CARDINAL	628
BN RCN DET - - - - - -			CARBUNCLE	610
BN MUN O - - - - - - -			CARMEN	SCR-628
A BATTERY - - - - - - -			CELERY	SCR-608
B BATTERY - - - - - - -			CEREAL	SCR-608
C BATTERY - - - - - - -			CEMETERY	608
909TH FA BN LIAISON NET 1		32.8 A		
FD SET #1 - - - - - - -			CERES	SCR-610
LIAISON O #1 - - - - -			CATARACT	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				
909TH FA BN LIAISON NET 2		33.4 C		
FD SET #3 - - - - - - -			CHAOS	SCR-610
LIAISON O #2 - - - - -			CHANDLER	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
A BTRY 909TH FA BN CONTROL & FD NET - - - - - - - -		32.8 A	CARBOLIC	
BN FD SET 1 - - - - - -			CERES	SCR-610
BC A BTRY - - - - - - -			CELERY	SCR-608
RCN O A BTRY - - - - -			CASTANET	610
EXEC O A BTRY - - - - -			CATHOLIC	610
ASST EXEC O A BTRY - -			CARNATION	610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
B BTRY 909TH FA BN CONTROL & FD NET		32.9 B	CHASER	
BN FD SET 2			CHASTISE	SCR-610
BC B BTRY			CEREAL	SCR-608
RCN O B BTRY			CHIME	SCR-610
EXEC O B BTRY			CHILI	SCR-610
ASST EXEC O B BTRY			CHERUB	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
C BTRY 909TH FA BN CONTROL & FD NET		33.4 C	CHERRY	
BN FD SET 3			CHAOS	SCR 610
BC C BTRY			CEMETERY	608
RCN O C BTRY			CHINK	SCR-610
EXEC O C BTRY			CHICORY	SCR-610
ASST EXEC O C BTRY			CHELA	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
84TH CAV RCN TR				
COMMAND NET - - - - -			B4G8	SCR-193
84TH RCN TR HQ - - -	ØØØ1-Ø93Ø	N-3825	M8E3	
EXEC O - - - - - - - -			X4B1	
*LIAISON DET - - - -			D3U4	
MOTOR O - - - - - - -			H1C5	
1ST PLAT LEADER - -	Ø931-15ØØ	D-4206	S4K3	
2ND PLAT LEADER - -			NJ82	
3RD PLAT LEADER - -			K4A2	
**1ST PLAT SGT - - - -	15Ø1-24ØØ	H-4179	U8B3	
**2ND PLAT SGT - - - -			X6L7	
**3RD PLAT SGT - - - -			J204	
* THE LIAISON DET REPORTS DIRECTLY TO THE DIV G-2 AT DIV CP IMMEDIATELY PRECEDING ANY OPERATION BY 84TH CAV RCN TR. DET RAD WILL MONITOR TR CMD NET PLACING ALL TRAFFIC IMMEDIATELY BEFORE G-2. G-2 TRAFFICE FOR THE RCN TR WILL BE SENT TO DIV MSG CEN FOR TRANSMISSION OVER DIV RCN NET.				
** PLAT SGTS WILL CLEAR TRAFFICE TO TR HQ VIA SCR-193 ONLY WHEN IMPOSSIBLE TO CLEAR TO PLAT LDRS OVER SCR-511.				

84TH CAV RCN TR SCR-511				
COMMAND NET - - - - -		COIL 4	CHIPMUNK	SCR-511
84TH RCN TR HQ (SET 1)			CHOPPY	
1ST PLAT (SET 2) - -			CHOWDER	
2ND PLAT (SET 1Ø) -			CHRONIC	
3RD PLAT (SET 18) -			CHUM	
MOTOR O (SET 26) - -			CHURN	
EXEC O (SET 27) - -			CHARLES	

1ST PLAT 84TH RCN TR				
COMMAND NET - - - - -		COIL 5	CHECKLIST	SCR-511
1ST PLAT HQ (SET 2)			CHOWDER	
PLAT SGT (SET 3) - -			CELLULOID	
1ST SEC SGT (SET 4)			CARPENTER	
1ST SEC CPL (SET 5)			CARROLL	
2ND SEC SGT (SET 6)			CASSIDY	
2ND SEC CPL (SET 7)			CHAPMAN	
MORTAR SQ (SET 8)			CHILDERS	
P&D SQ (SET 9) - - -			CAMPBELL	

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UNIT	EFFECTIVE	FREQ KC	CALL SIGN	TYPE RAD SET
2ND PLAT 84TH RCN TRP				
COMMAND NET - - - - - - -		COIL 6	CHOCOLATE	SCR-511
2ND PLAT HQ (SET 10) -			CHRONIC	
PLAT SGT (SET 11) - -			CELLAR	
1ST SEC SGT (SET 12) -			CHAIN	
1ST SEC CPL (SET 13) -			CENTRAL	
2ND SEC SGT (SET 14) -			CEREMONY	
2ND SEC CPL (SET 15) -			CHEST	
MORTAR SQ (SET 16) - -			CHAFF	
P & D SQ (SET 17) - -			CASPER	
3RD PLAT 84TH RCN TRP				
COMMAND NET - - - - - - -		COIL 1	CELLOPHANE	
3RD PLAT HQ (SET 18) -			CHUM	SCR-511
PLAT SGT (SET 19) - -			CENSOR	
1ST SEC SGT (SET 20) -			CHAMBER	
1ST SEC CPL (SET 21) -			CHANT	
2ND SEC SGT (SET 22) -			CHAPEL	
2ND SEC CPL (SET 23) -			CHARM	
MORTAR SQ (SET 24) - -			CHEAT	
P & D SQ (SET 25) - -			CHESS	

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1 Z

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TELEPHONE CODE NAMES
NO 1

UNIT	CODE NAME
X CORPS	VICTOR
86TH INF DIV	OMEGA
88TH INF DIV	INDIGO
102ND INF DIV	TOLL
84TH INF DIV HQ	KING
HQ CO 84TH INF DIV	KOKOMO
84TH SIG CO	KODAK
84TH QM CO	KETTLE
784TH ORD CO	KEEL
309TH ENGR BN	KAPOK
309TH MED BN	KRUPP
DIV ARTY HQ	KNUCKLE
325TH FA BN	KATE
326TH FA BN	KNIT
327TH FA BN	KNOLL
909TH FA BN	KNELL
333RD INF REGT	KNIGHT
334TH INF REGT	KNOT
335TH INF REGT	KEEP
84TH CAV RCN TRP	KREMLIN

BATTALIONS: 1ST - RED
2ND - WHITE
3RD - BLUE

COMPANIES: ADD LETTER AFTER REGT'L CODE NAME.

BATTERIES: ADD LETTER AFTER BN CODE NAME.

OTHER ESTABLISHMENTS: ADD FORWARD; REAR; OP, ETC.

ATTACHED ORGANIZATIONS RETAIN THE TELEPHONE NAMES ASSIGNED TO THEM BY PARENT ORGANIZATIONS.

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UNCLASSIFIED [redacted] SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1 Z

TELEPHONE NUMBERS

OFFICE	NUMBER
G-1	1
G-2	2
G-3	3
G-4	4
CHIEF OF STAFF	5
COMMANDING GENERAL	6
ASSISTANT DIVISION COMMANDER	35
ADJUTANT GENERAL	7
AIDE-DE-CAMP	13
AUTOMOTIVE OFFICER	25
CHAPLAIN	19
CHEMICAL OFFICER	23
ENGINEER OFFICER	15
FINANCE OFFICER	18
HEADQUARTERS COMMANDANT	34
INSPECTOR GENERAL	9
JUDGE ADVOCATE	17
LIAISON OFFICER	24
MEDICAL OFFICER	16
MESSAGE CENTER	11
ORDNANCE OFFICER	8
POSTAL OFFICER	20
PROVOST MARSHAL	27
QUARTERMASTER	21
SIGNAL OFFICER	10
SPECIAL SERVICE OFFICER	12
OTHER ACTIVITIES:	
CHIEF TELEPHONE OPERATOR	30
GENERAL UTILITY TELEPHONE	33
RADIO STATION	28
WIRE CHIEF	31

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SHEET 1

UNCLASSIFIED [redacted]

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S OPERATION INSTRUCTIONS

(5 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1 Z

PREARRANGED MESSAGE CODE
NO 1

THIS PREARRANGED MESSAGE CODE IS FOR USE BETWEEN THIS HEADQUARTERS AND UNITS OF THE 84TH INF DIV, WITH THE EXCEPTION OF THE 84TH CAV RCN TRP.

ENCODING SECTION

SIGNAL	MEANING
IL	ADVANCE MESSAGE CENTER
IP	ADVANCE GUARD CENTER COLUMN AT (PLACE)
AV	ADVANCE GUARD LEFT COLUMN AT (PLACE)
IQ	ADVANCE GUARD RIGHT COLUMN AT (PLACE)
EJ	ALERT YOUR COMMAND FOR MOVEMENT TO (PLACE)
UK	ARRIVED AT BIVOUAC AT (TIME)
AW	ARRIVED AT (PLACE) AT (TIME)
EN	BEING ATTACKED (TIME)
IV	BRIDGE OK AT (PLACE)
OV	BRIDGE OUT AT (PLACE)
OD	BRIDGE UNSAFE AT (PLACE)
UF	COMMANDING GENERAL
IJ	COMMANDING OFFICER
OW	COMMAND POST
OB	(UNIT) NOW LOCATED AT (PLACE)
WO	(UNIT) (MILES) FROM (PLACE) AT (TIME)
EL	ENEMY
AX	ENEMY FRONT LINE NOW LOCATED ALONG LINE (PLACE)
OG	FORD FOR MOTOR VEHICLE AT (PLACE)
EG	CHIEF OF STAFF
IW	G-1 OR S-1
EB	G-2 OR S-2
AR	G-3 OR S-3
EZ	G-4 OR S-4
AG	HAVE ATTACKED (TIME)
EF	HEAD OF MAIN BODY CENTER COLUMN AT (PLACE)

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ENCODING SECTION

SIGNAL	MEANING
UD	HEAD OF MAIN BODY LEFT COLUMN AT (PLACE)
ET	HEAD OF MAIN BODY RIGHT COLUMN AT (PLACE)
UH	(INDIVIDUAL) REPORT FOR ORDERS AT (PLACE)(TIME)
UB	IN POSITION AT (TIME)
IC	LIAISON OFFICER
EX	PHASE LINE 1
OQ	PHASE LINE 2
OS	PHASE LINE 10
EH	REAR ECHELON
OC	REPORT LOCATION
AP	REQUEST IDENTIFICATION UNITS OPPOSING YOU
OZ	ROAD DESTROYED BY MINES AT (PLACE)
IN	SCOUT CARS
OJ	TANKS
AZ	TIME OF ATTACK
EQ	WHAT ARE DISPOSITIONS OF YOUR TROOPS
AB	WILL ATTACK
ZA	84TH INF DIV HQ
RY	HQ CO 84TH INF DIV
YM	84TH SIG CO
YF	84TH QM CO
YU	784TH ORD CO
JY	309TH ENG BN
JK	309TH MED BN
SY	84TH RCN TRP
YB	DIV ARTY HQ
YO	325TH FA BN
TY	326TH FA BN
YD	327TH FA BN
HY	909TH FA BN
YZ	333RD INF REGT
YA	1ST BN 333RD INF REGT
WY	2ND BN 333RD INF REGT
YV	3RD BN 333RD INF REGT

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ENCODING SECTION

SIGNAL	MEANING
NY	334TH INF REGT
YC	1ST BN 334TH INF REGT
YI	2ND BN 334TH INF REGT
GY	3RD BN 334TH INF REGT
YE	335TH INF REGT
QY	1ST BN 335TH INF REGT
YK	2ND BN 335TH INF REGT
XY	3RD BN 335TH INF REGT

DECODING SECTION

SIGNAL	MEANING
AB	WILL ATTACK
AG	HAVE ATTACKED
~~AD~~ AP	REQUEST IDENTIFICATION ~~AND~~ UNITS OPPOSING ~~FACING~~ YOU
AR	G-3 OR S-3
AU	ADVANCE GUARD LEFT COLUMN AT (PLACE)
AW	ARRIVED AT (PLACE) AT (TIME)
AX	ENEMY FRONT LINE NOW LOCATED ALONG LINE (PLACE)
AZ	TIME OF ATTACK
EB	G-2 OR S-2
EF	HEAD OF MAIN BODY CENTER COLUMN AT (PLACE)
EG	CHIEF OF STAFF
EH	REAR ECHELON
EJ	ALERT YOUR COMMAND FOR MOVEMENT TO (PLACE)
EL	ENEMY
EN	BEING ATTACKED (TIME)
EQ	WHAT ARE DISPOSITIONS OF YOUR TROOPS
ET	HEAD OF MAIN BODY RIGHT COLUMN AT (PLACE)
EX	PHASE LINE 1
EZ	G-4 OR S-4
GY	3RD BN 334TH INF REGT
HY	909TH FA BN
IC	LIAISON OFFICER

ITEM 7 [redacted] SHEET 3

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DECODING SECTION

SIGNAL	MEANING
IJ	COMMANDING OFFICER
IL	ADVANCE MESSAGE CENTER
IN	SCOUT CARS
IP	ADVANCE GUARD CENTER COLUMN AT (PLACE)
IQ	ADVANCE GUARD RIGHT COLUMN AT (PLACE)
IU	BRIDGE OK AT (PLACE)
IW	G-1 OR S-1
JK	309TH MED BN
JY	309TH ENG BN
NY	334TH INF REGT
OB	(UNIT) NOW LOCATED AT (PLACE)
OC	REPORT LOCATION
OD	BRIDGE UNSAFE AT (PLACE)
OG	FORD FOR MOTOR VEHICLES AT (PLACE)
OJ	TANKS
OQ	PHASE LINE 2
OS	PHASE LINE 10
OV	BRIDGE OUT AT (PLACE)
OW	COMMAND POST
OZ	ROAD DESTROYED BY MINES AT (PLACE)
QY	1ST BN 335TH INF REGT
RY	HQ CO 84TH INF DIV
SY	84TH RCN TRP
TY	326TH FA BN
UB	IN POSITION AT (TIME)
UD	HEAD OF MAIN BODY LEST COLUMN AT (PLACE)
UF	COMMANDING GENERAL
UH	(INDIVIDUAL) REPORT FOR ORDERS AT (TIME)(PLACE)
UK	ARRIVED AT BIVOUAC AT (TIME)
WO	(UNIT)(MILES) FROM (PLACE) AT (TIME)
WY	2ND BN 333RD INF REGT
XY	3RD BN 335TH INF REGT
YA	1ST BN 333RD INF REGT
YB	HQ, DIV ARTY
YC	1ST BN 334TH INF REGT
YD	327TH FA BN
YE	335TH INF REGT
YF	84TH QM CO

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DECODING SECTION

SIGNAL	MEANING
YI	2ND BN 334TH INF REGT
YK	2ND BN 335TH INF REGT
YM	84TH SIG CO
YO	325TH FA BN
YU	784TH ORD CO
YV	3RD BN 333RD INF REGT
YZ	333RD INF REGT
ZA	84TH INF DIV HQ

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SOI
INSTRUCTIONS FOR USE OF
CONVERTER M-209-A
KEY

1. SET UP KEY WHEEL PINS AND DRUM BAR LUGS IN ACCORDANCE WITH PAR 9 TM-11-380 AND ITEMS 8-B AND 8-C OF THIS SOI.

ENCIPHERMENT

1. SET CONVERTER AT ANY NUMBER ENDING IN ZERO OR FIVE. SELECT SIX LETTERS AT RANDOM (FOR EXAMPLE, DTNCCK) ALIGN ON KEY WHEELS FROM LEFT TO RIGHT.
2. CHOOSE ANY LETTER (FOR EXAMPLE, "P") AND ENCIPHER IT 12 TIMES. (THIS YIELDS, FOR EXAMPLE, IVWEM UOCXJ VY)
3. SET CONVERTER TO ANY NUMBER ENDING IN ZERO OR FIVE.
4. ALIGN, IN ORDER, FROM LEFT TO RIGHT THE FIRST 6 USUABLE LETTERS (IN THIS CASE IVEMOC) SKIP OVER THE LETTERS WHICH DO NOT APPEAR ON THE APPROPRIATE WHEELS.
5. ADVANCE TAPE ABOUT 6 INCHES AND ENCIPHER MESSAGE.
6. ADVANCE TAPE ABOUT 6 INCHES AND TEAR OFF.
7. WRITE AT HEAD OF TAPE ALL NECESSARY TRANSMITTING DATA, FOLLOWED BY INDICATORS OF MESSAGE ((HEADING) PDTNC CKLCM ----) REPEAT INDICATORS IN SAME ORDER AT END OF MESSAGE (------ PDTNC CKLCM (TIME SIGNED))
8. STEPS 1-4, INCLUSIVE, FOR EACH MESSAGE, SELECTING A NEW GROUP OF RANDOM LETTERS EACH TIME

DECIPHERMENT

9. REPEAT STEP 1 (USING LETTERS 2-7 INCL. IN INDICATOR.)
10. REPEAT STEP 2 (USING FIRST LETTER OF INDICATOR.)
11. REPEAT STEP 4 (USING RESULTS OF STEP 10.)
12. ADVANCE TAPE ABOUT 6 INCHES AND DECIPHER MESSAGE.
13. ADVANCE TAPE ABOUT 6 INCHES AND TEAR OFF.
14. INSERT ADDRESSEE AT HEAD OF TAPE, TIME SIGNED AND SIGNATURE AT END OF TAPE.

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PIN SET-UP

A-	A-	-A	A-	A-	A-
-B	-B	-B	B-	B-	B-
-C	-C	C-	-C	C-	-C
D-	D-	-D	-D	D-	D-
-E	E-	-E	E-	-E	-E
-F	F-	F-	F-	-F	-F
-G	-G	-G	-G	G-	-G
-H	H-	H-	-H	-H	H-
I-	I-	-I	I-	-I	I-
-J	J-	-J	-J	J-	-J
K-	-K	K-	K-	-K	-K
L-	-L	-L	-L	-L	-L
M-	-M	-M	-M	-M	-M
-N	N-	N-	-N	N-	-N
-O	-O	O-	O-	O-	-O
P-	-P	P-	P-	P-	P-
Q-	Q-	-Q	Q-	Q-	-Q
R-	-R	R-	-R	R-	
S-	S-	S-	-S	-S	
T-	-T	T-	T-		
-U	-U	U-	-U		
V-	-V	V-			
W-	X-	X-			
-X	-Y				
Y-	-Z				
Z-					

NO 1

-A	-A	A-	A-	A-	A-
B-	-B	-B	B-	-B	B-
-C	C-	-C	C-	-C	-C
D-	D-	-D	D-	D-	-D
E-	E-	-E	-E	E-	E-
F-	-F	F-	-F	F-	-F
G-	-G	-G	-G	G-	G-
-H	H-	-H	H-	-H	-H
I-	-I	-I	-I	I-	I-
J-	J-	J-	-J	J-	J-
-K	K-	-K	-K	K-	K-
-L	L-	L-	L-	L-	L-
M-	-M	-M	M-	-M	-M
-N	N-	-N	N-	-N	-N
O-	O-	O-	-O	-O	O-
-P	P-	P-	P-	P-	-P
-Q	Q-	-Q	Q-	Q-	Q-
-R	R-	-R	-R	-R	
-S	S-	-S	S-	-S	
-T	T-	T-	-T		
U-	-U	U-	-U		
V-	V-	V-			
-W	-X	-X			
X-	-Y				
-Y	-Z				
-Z					

NO 2

[redacted]

UNCLASSIFIED

UNCLASSIFIED

[redacted]

PIN SET-UP

A-	-A	A-	A-	-A	A-
B-	B-	B-	-B	-B	B-
C-	C-	-C	-C	C-	C-
D-	D-	-D	-D	D-	D-
E-	E-	-E	-E	E-	-E
-F	F-	F-	F-	F-	-F
-G	-G	G-	-G	-G	G-
-H	H-	-H	H-	H-	H-
I-	I-	-I	-I	-I	-I
-J	J-	J-	J-	-J	-J
K-	-K	-K	-K	K-	-K
-L	L-	L-	L-	-L	-L
M-	-M	-M	M-	M-	-M
N-	-N	-N	N-	N-	N-
-O	O-	O-	O-	O-	O-
P-	P-	P-	-P	P-	P-
-Q	-Q	Q-	-Q	-Q	-Q
-R	-R	R-	-R	R-	
-S	S-	S-	-S	-S	
T-	T-	T-	-T		
-U	-U	-U	U-		
-V	V-	-V			
-W	-X	-X			
X-	-Y				
-Y	Z-				
Z-					

NO 3

A-	-A	A-	-A	A-	-A
B-	-B	-B	B-	B-	-B
C-	C-	-C	-C	C-	-C
D-	-D	-D	-D	-D	-D
-E	E-	-E	-E	E-	-E
-F	F-	F-	F-	F-	-F
G-	-G	-G	-G	G-	-G
-H	-H	-H	H-	H-	H-
-I	I-	I-	-I	I-	I-
J-	J-	-J	-J	-J	-J
-K	K-	K-	K-	-K	-K
L-	-L	-L	L-	-L	L-
-M	-M	M-	M-	M-	M-
-N	-N	-N	N-	-N	N-
O-	O-	O-	O-	-O	-O
P-	P-	-P	-P	-P	-P
Q-	Q-	-Q	Q-	Q-	-Q
-R	R-	-R	-R	-R	
-S	S-	S-	S-	-S	
T-	T-	T-	T-		
-U	U-	U-	-U		
-V	-V	-V			
-W	X-	-X			
X-	-Y				
Y-	-Z				
Z-					

NO 4

ITEM 8B

[redacted]

SHEET 2

UNCLASSIFIED

UNCLASSIFIED

[redacted]

PIN SET-UP

A-	-A	A-	-A	A-	-A
-B	-B	-B	-B	B-	B-
-C	-C	-C	-C	C-	-C
-D	-D	D-	D-	D-	-D
E-	-E	E-	-E	E-	-E
F-	-F	F-	F-	F-	F-
G-	-G	-G	-G	G-	-G
-H	H-	-H	H-	-H	H-
-I	I-	-I	I-	-I	-I
J-	-J	-J	-J	-J	J-
K-	-K	-K	K-	-K	-K
-L	-L	-L	L-	L-	-L
-M	-M	M-	-M	-M	M-
-N	N-	-N	N-	-N	N-
O-	O-	-O	-O	O-	O-
-P	P-	-P	P-	-P	-P
-Q	-Q	Q-	Q-	-Q	-Q
-R	R-	-R	R-	R-	
S-	S-	S-	-S	-S	
T-	T-	T-	T-		
-U	U-	U-	U-		
V-	V-	V-			
-W	X-	X-			
X-	Y-				
-Y	-Z				
-Z					

NO 5

-A	A-	-A	-A	-A	-A
-B	B-	B-	B-	B-	-B
-C	-C	C-	C-	-C	-C
-D	-D	-D	-D	-D	-D
-E	E-	E-	E-	-E	E-
-F	F-	F-	-F	-F	F-
G-	G-	G-	G-	-G	G-
-H	-H	-H	H-	H-	H-
I-	I-	-I	I-	-I	I-
-J	-J	J-	J-	-J	J-
K-	-K	-K	-K	-K	K-
L-	L-	L-	-L	-L	-L
M-	-M	M-	-M	M-	-M
N-	-N	N-	N-	N-	-N
O-	-O	-O	-O	O-	O-
-P	-P	P-	-P	P-	-P
-Q	Q-	Q-	-Q	Q-	-Q
-R	-R	R-	-R	R-	
-S	S-	S-	S-	S-	
-T	T-	-T	T-		
U-	-U	-U	-U		
-V	-V	-V			
W-	X-	-X			
-X	Y-				
Y-	-Z				
Z-					

NO 6

ITEM 8B

[redacted]

SHEET 3

UNCLASSIFIED

[redacted]

PIN SET-UP

A-	-A	A-	-A	-A	-A
-B	-B	B-	-B	-B	B-
-C	C-	-C	-C	C-	-C
D-	-D	-D	D-	D-	D-
E-	-E	-E	E-	E-	-E
-F	-F	-F	F-	-F	F-
G-	-G	G-	G-	-G	G-
H-	-H	-H	H-	-H	H-
I-	I-	-I	I-	I-	I-
-J	-J	-J	J-	J-	-J
-K	-K	K-	K-	-K	-K
-L	-L	-L	L-	-L	-L
-M	M-	-M	M-	-M	M-
N-	-N	-N	N-	-N	N-
O-	O-	O-	O-	O-	O-
-P	-P	-P	P-	-P	-P
Q-	Q-	Q-	-Q	-Q	Q-
R-	-R	-R	-R	R-	
-S	S-	S-	-S	S-	
T-	T-	-T	-T		
U-	U-	-U	-U		
-V	-V	V-			
-W	X-	X-			
X-	Y-				
Y-	Z-				
-Z					

NO 7

-A	A-	-A	A-	-A	-A
B-	-B	B-	B-	-B	-B
-C	C-	-C	C-	-C	-C
D-	D-	D-	-D	D-	D-
-E	E-	-E	-E	E-	-E
F-	F-	-F	-F	F-	-F
G-	-G	-G	-G	G-	-G
H-	-H	-H	-H	-H	H-
-I	-I	I-	I-	I-	I-
-J	J-	-J	-J	J-	-J
K-	K-	K-	K-	K-	K-
L-	-L	-L	-L	-L	L-
M-	M-	-M	-M	M-	-M
-N	N-	N-	-N	-N	N-
-O	O-	O-	-O	O-	O-
-P	P-	-P	-P	P-	P-
Q-	-Q	-Q	-Q	Q-	-Q
-R	R-	R-	R-	-R	
-S	-S	S-	S-	S-	
-T	T-	-T	T-		
-U	U-	U-	U-		
-V	-V	V-			
W-	-X	-X			
X-	-Y				
Y-	Z-				
Z-					

NO 8

UNCLASSIFIED

[redacted]

UNCLASSIFIED

LUG SET-UP

	1	2	3	4	5	6
1	X					X
2	X					
3	X					
4	X					
5	X			X		
6	X			X		
7	X	X				
8		X		X		
9		X	X			
10			X			
11			X			
12			X			
13			X			
14			X			
15			X			
16			X			
17			X			
18			X			
19			X			
20			X	X		
21			X	X		
22				X		
23				X		
24				X		
25				X		
26				X		X
27					X	

NO 1

	1	2	3	4	5	6
1	X					
2		X				
3		X				
4		X				
5		X				
6		X				
7		X				
8			X			
9			X			
10			X			
11			X			
12			X			
13				X		
14				X	X	
15					X	
16					X	
17					X	
18					X	
19					X	
20					X	
21					X	
22					X	
23					X	
24					X	
25						X
26						X
27						X

NO 2

ITEM 8B

[redacted]

SHEET 5

UNCLASSIFIED

LUG SET-UP

	1	2	3	4	5	6
1	X					
2	X					X
3	X					
4	X		X			
5			X			
6				X		
7				X		
8				X		
9				X		
10				X		
11				X		
12				X		
13				X		
14				X		X
15				X		X
16					X	
17					X	
18					X	
19					X	
20					X	
21					X	
22					X	
23					X	X
24					X	X
25						X
26						X
27		X				

NO 3

	1	2	3	4	5	6
1	X					
2	X					
3	X	X				
4		X				
5		X				
6		X				
7		X				
8		X				
9		X			X	
10					X	
11					X	
12					X	
13					X	
14					X	
15					X	
16					X	
17					X	
18					X	
19					X	
20					X	X
21						X
22						X
23						X
24						X
25				X		
26			X			
27			X			

NO 4

[redacted]

LUG SET-UP

	1	2	3	4	5	6
1	X					
2	X					
3		X				
4		X				
5		X				
6		X				
7		X				
8		X				
9		X	X			
10		X	X			
11			X			
12			X			
13			X			
14			X			
15			X			
16			X			
17			X			
18			X	X		
19			X	X		
20				X		
21				X		
22				X		
23				X		X
24						X
25						X
26						X
27					X	

NO 5

	1	2	3	4	5	6
1		X				
2		X				
3						X
4						X
5	X					X
6	X					X
7	X					
8	X					
9	X					
10	X					
11	X					
12	X					
13	X		X			
14	X		X			
15			X			
16			X			
17			X			
18			X		X	
19			X		X	
20					X	
21					X	
22					X	
23					X	
24					X	
25					X	
26					X	
27				X		

NO 6

ITEM 8B

SHEET 7

[redacted]

UNCLASSIFIED

[redacted]

LUG SET-UP

	1	2	3	4	5	6
1			X			
2		X				
3		X				
4		X				
5		X				
6		X				
7		X				
8					X	
9					X	
10		X				
11		X				
12		X				
13	X	X				
14	X	X				
15	X					
16	X					
17	X					
18	X					
19	X			X		
20				X		X
21				X		X
22						X
23		X				X
24		X				X
25						X
26						X
27						X

NO 7

	1	2	3	4	5	6
1		X				
2		X				
3	X					
4	X					
5	X					
6	X					
7	X					
8	X					
9	X		X			
10	X		X			
11			X			
12			X			
13			X		X	
14					X	
15					X	
16					X	X
17						X
18						X
19						X
20						X
21						X
22						X
23			X			X
24			X			X
25						X
26						X
27				X		

NO 8

ITEM 8B

[redacted]

SHEET 8

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1. THE FOLLOWING KEY WHEEL PIN AND DRUM BAR SET-UPS ARE EFFECTIVE ON THE DATES INDICATED. THE 26 LETTER CHECK IS GIVEN FOR EACH DAY.

Ø1Ø5ØØZJULY 1943
PIN 6 LUG 8
26 LETTER CHECK: PELJT REMBN ISRLP USVAO DXSPL P
INDICATOR SOR

Ø2Ø5ØØZJULY 1943
PIN 7 LUG 6
26 LETTER CHECK: CPOSN QOISQ TVNGM MOTKO LEJGP W
INDICATOR BLT

Ø3Ø5ØØZJULY 1943
PIN 8 LUG 2
26 LETTER CHECK: NZZTS ZHRHC LWLVU IRPTB YJOWV F
INDICATOR ABL

Ø4Ø5ØØZJULY 1943
PIN 7 LUG 2
26 LETTER CHECK: HHLTJ LTKOL YQOKF FQMCL JELKH U
INDICATOR XON

Ø5Ø5ØØZJULY 1943
PIN 5 LUG 6
26 LETTER CHECK: KCDAV JXJAP NSNNS VTRBP TSOZC X
INDICATOR ZOF

Ø6Ø5ØØZJULY 1943
PIN 8 LUG 7
26 LETTER CHECK: TAZUK WPLJI XSIPZ STQRC VXQUP M
INDICATOR AAB

Ø7Ø5ØØZJULY 1943
PIN 2 LUG 3
26 LETTER CHECK: WRCKW NSJRJ LVWON LYQON ORKQY T
INDICATOR FER

Ø8Ø5ØØZJULY 1943
PIN 7 LUG 4
26 LETTER CHECK: HFOSN KVLPK XQQMI IOPDO HFMMF X
INDICATOR BNA

Ø9Ø5ØØZJULY 1943
PIN 8 LUG 6
26 LETTER CHECK: MZZOR UCWPK OQSPW FUVXA TNUXP B
INDICATOR RXI

1Ø05ØØZJULY 1943
PIN 8 LUG 1
26 LETTER CHECK: QWZFP XLAZO PWHPK EJPVJ RJIVP C
INDICATOR PYX

11Ø5ØØZJULY 1943
PIN 7 LUG 3
26 LETTER CHECK: KOSXK FOILF QNVPR RUWNS QOSPO R
INDICATOR CUA

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[redacted]

12Ø5ØØZJULY 1943 — OGRLV TGIHK HXUIO YXSFS ARXNC N
PIN 6 LUG 5 — INDICATOR AXB
26 LETTER CHECK:

13Ø5ØØZJULY 1943 — FCKAV JRJAL JLOJS MTIBQ TSKZC Y
PIN 5 LUG 8 — INDICATOR GRO
26 LETTER CHECK:

14Ø5ØØZJULY 1943 — FFXMX SQKYR PREBV NFQFI KLORZ T
PIN 1 LUG 2 — INDICATOR UAT
26 LETTER CHECK:

15Ø5ØØZJULY 1943 — MMSMS RPWTQ WNGAY REKBK ILVQU S
PIN 1 LUG 8 — INDICATOR RVO
26 LETTER CHECK:

16Ø5ØØZJULY 1943 — HHWKW KJPVL QTACZ TMFMT NIQLW L
PIN 1 LUG 7 — INDICATOR EQM
26 LETTER CHECK:

17Ø5ØØZJULY 1943 — PAMEP PVUJH AGHJP RMGOM ALZJN P
PIN 4 LUG 1 — INDICATOR DEB
26 LETTER CHECK:

18Ø5ØØZJULY 1943 — RZZPR UCQNI VMLLX MNWXA TUVRL B
PIN 8 LUG 8 — INDICATOR PLU
26 LETTER CHECK:

19Ø5ØØZJULY 1943 — NQSSN SMAWS VNJQK KPIHS RIGQQ O
PIN 7 LUG 5 — INDICATOR FKY
26 LETTER CHECK:

2ØØ5ØØZJULY 1943 — MQORZ MNFME ZVUWO XJZLQ PYPTQ T
PIN 3 LUG 6 — INDICATOR BRI
26 LETTER CHECK:

21Ø5ØØZJULY 1943 — EEWPW RQKXR TTBAY NGOGJ IOSRY S
PIN 1 LUG 4 — INDICATOR OMV
26 LETTER CHECK:

22Ø5ØØZJULY 1943 — DLBAP VVVAP NHLNW TOOCN OHVZL Q
PIN 5 LUG 1 — INDICATOR RAR
26 LETTER CHECK:

[redacted]

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[redacted]

23Ø5ØØZJULY 1943 — RHEAO JVJAT NOQNS EIDGW IHOZH Y
PIN 5 LUG 4 — INDICATOR ZIR
26 LETTER CHECK:

24Ø5ØØZJULY 1943 — IEPCV UEKMT IUTII WUXCS BRWJI J
PIN 6 LUG 7 — INDICATOR SUX
26 LETTER CHECK:

25Ø5ØØZJULY 1943 — QHCAL MWMAV PLOPT FFCFU FDQZH V
PIN 5 LUG 2 — INDICATOR FIL
26 LETTER CHECK:

26Ø5ØØZJULY 1943 — QSICQ NWRXA HOMPN XWVPP KSCVU Y
PIN 2 LUG 8 — INDICATOR HPW
26 LETTER CHECK:

27Ø5ØØZJULY 1943 — LZPWJ UFAVU RULMO OVPOP VKKMZ K
PIN 7 LUG 1 — INDICATOR VNJ
26 LETTER CHECK:

28Ø5ØØZJULY 1943 — JUORZ NNLIF ZQTXO VJZSK WVWPJ X
PIN 3 LUG 4 — INDICATOR IBR
26 LETTER CHECK:

29Ø5ØØZJULY 1943 — OPHAX QUQAP CIKCL HOIMV OOFZP Z
PIN 5 LUG 7 — INDICATOR LFM
26 LETTER CHECK:

3ØØ5ØØZJULY 1943 — JKGAS MOMAL KMVKX ERNAW RJUZK Z
PIN 5 LUG 3 — INDICATOR QIL
26 LETTER CHECK:

31Ø5ØØZJULY 1943 — EEYWY PNSQX YNBJZ JAUAO CMQXY X
PIN 1 LUG 3 — INDICATOR JIL
26 LETTER CHECK:

[redacted]

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[redacted] UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 Ø5Ø1Z

MAP COORDINATE CODE
NO.1

1. THIS MAP COORDINATE CODE IS FOR USE ON ALL GRIDDED MAPS WHERE THE THRUST LINE HAS NOT BEEN DESIGNATED. PROPER KEY FOR EACH DAY IS THE HORIZONTAL LINE APPEARING OPPOSITE THE DATE IN THE "DAY OF MONTH" COLUMN. FOR DECODING THE DATE OF ORIGIN OF THE MESSAGE WILL BE USED IN SELECTING THE CORRECT KEY. ALWAYS PRECEDE AND END THE CODED COORDINATE WITH THE INDICATOR FOR THAT DATE AND DIVIDE THE ENTIRE ENCODED GROUP INTO FIVE LETTER GROUPS. IF NECESSARY TO CARRY THE COORDINATES OUT TO TWO PLACES BEYOND THE DECIMAL POINT, THE LETTER "X" SHOULD BE USED TO FILL UP THE FIVE LETTER GROUP.

2. WHEN A PLAIN TEXT MESSAGE INCLUDING THE MAP COORDINATE CODE IS TO BE ENCIPHERED OR ENCODED, THE MAP GROUPS WILL BE ENCIPHERED AS PART OF THE MESSAGE.

EXAMPLE: ENCODE ON FEB 6:

156.7 - 615.9
ENCODED: GDZLFQU A FZLQIGD
FIVE LETTER GROUPS: GDZLF QUAFZ LQIGD

A MESSAGE SENT FEB 1 CONTAINS THESE GROUPS:

JBQKA UODWA PNULC XXXJB

DECODED: 192.76 - 203.84

ITEM 9 SHEET 1

[redacted]

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[redacted]

MAP COORDINATE COD[redacted]

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DAY OF MONTH	INDICATOR	1	2	3	4	5	6	7	8	9	Ø	.	-
1	JB	Q	A	N	C	I	D	O	L	K	P	U	W
2	DK	C	O	M	U	P	I	L	J	B	A	N	R
3	CM	J	A	N	P	R	Z	I	E	L	O	K	U
4	HC	R	O	M	D	N	A	T	U	B	Y	L	E
5	RG	S	A	L	I	P	J	N	E	T	O	M	B
6	GD	Z	E	C	O	L	F	U	B	I	T	Q	A
7	DT	V	I	C	A	R	O	B	G	F	U	L	Y
8	BS	D	U	M	L	I	T	Y	B	O	K	A	C
9	WB	C	I	T	M	A	S	D	O	G	L	Q	Z
1Ø	FM	T	O	Q	U	I	N	V	F	K	D	A	B
11	ED	B	A	C	G	Z	Y	W	R	I	L	F	U
12	JM	K	L	U	C	A	T	I	O	N	E	R	P
13	LH	P	R	O	T	E	M	I	N	G	J	S	D
14	CN	G	L	I	M	U	T	V	E	J	Q	A	P
15	TH	B	U	N	E	R	Q	I	J	A	C	S	O
16	MS	D	I	L	Y	U	N	Z	Q	W	K	A	P
17	BM	U	P	R	E	S	T	O	V	C	A	W	Z
18	RF	Y	Z	O	R	Q	A	P	H	U	T	G	F
19	GA	N	O	W	I	S	T	E	M	F	R	L	D
2Ø	WS	I	N	F	A	T	R	Y	D	H	V	S	O
21	EC	R	A	D	T	P	H	O	N	I	C	U	M
22	LG	A	T	L	N	J	O	U	R	E	H	I	Z
23	SW	B	U	L	H	O	T	E	R	S	I	M	P
24	WR	I	N	G	A	C	O	T	E	F	U	M	H
25	CT	P	O	K	E	H	I	M	N	S	F	V	G
26	JW	F	I	N	A	L	Y	B	R	E	T	H	M
27	WR	E	N	O	M	Y	I	S	A	T	C	K	J
28	AS	W	E	H	B	V	O	N	I	C	T	R	Y
29	BN	S	I	G	A	L	R	E	Y	O	P	H	T
3Ø	VP	A	B	E	O	U	T	I	F	L	G	R	S
31	RO	P	U	T	E	N	G	H	A	I	K	J	D

ITEM 9

SHEET 2

[redacted]

UNCLASSIFIED

[redacted]

MESSAGE AUTHENTICATION CODE
NO 2
INSTRUCTIONS

UNCLASSIFIED

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

1. AUTHENTICATION OF MESSAGES

A. MESSAGE AUTHENTICATION ELEMENTS TO BE TESTED WILL BE TAKEN FROM TABLE 1, ITEM NO 1ØA SOI 84TH INF DIV (MESSAGE AUTHENTICATION CODE). AUTHENTICATION VALUES FOR AUTHENTICATION ELEMENTS WILL BE FOUND IN TABLE 2 OF THE MESSAGE AUTHENTICATION CODE. THE SUM OF THE VALUES FOR ELEMENTS CHOSEN IS THE AUTHENTICATOR.

B. ALL MESSAGES (MSGR, RAD, TG, TP, AND TT) BETWEEN HEADQUARTERS 84TH INF DIV AND SUBORDINATE UNITS WILL BE AUTHENTICATED AS DESCRIBED BELOW. SUBORDINATE UNITS WILL ISSUE EDITIONS BASED ON THIS PRINCIPLE. MESSAGES TO HIGHER HEADQUARTERS WILL BE AUTHENTICATED IN THE SYSTEM USED BY HIGHER HEADQUARTERS.

C. OUTGOING MESSAGES WILL BE AUTHENTICATED BY THE MESSAGE CENTER OR BY OPERATING PERSONNEL WHEN THE MESSAGE CENTER IS NOT IN OPERATION.

D. INCOMING MESSAGES WILL BE VERIFIED BY THE MESSAGE CENTER OR BY OPERATING PERSONNEL WHEN THE MESSAGE CENTER IS NOT IN OPERATION. PROPERLY AUTHENTICATED MESSAGES WILL BE MARKED IN BOLD FACE "AUTHENTICATED". MESSAGES NOT PROPERLY AUTHENTICATED WILL BE MARKED "NOT AUTHENTICATED, CHECK REQUESTED" AND DELIVERED TO THE ADDRESSEE. IF PROPERLY AUTHENTICATED AFTER CHECK IS REQUESTED, THE ADDRESSEE WILL BE SO NOTIFIED BY THE MESSAGE CENTER. IF NOT PROPERLY AUTHENTICATED AFTER REQUESTED RECHECK, BOTH THE ADDRESSEE AND G-2 WILL BE NOTIFIED.

E. IF TABLE 1 IN CURRENT USE CONTAINS AN ELEMENT NOT IN A MESSAGE, THE VALUE FOR ND (NO DATA) WILL BE USED. THE AUTHENTICATION GROUP WILL APPEAR AS THE LAST ELEMENT IN THE HEADING BEFORE THE BT SIGN. THE FIRST AND SECOND GROUPS OF THE TEXT WILL NOT BE USED IN AUTHENTICATION.

F. THE FOLLOWING EXAMPLE WILL ILLUSTRATE THE AUTHENTICATION OF A MESSAGE WRITTEN AND TRANSMITTED ON MAY 5TH:

UNCLASSIFIED

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Y2D9 V A4J8 S NR3 P GR12
38 BT
NR1 WANIR BIVIP SOJIC WZCBJ
TNEXV FQRSE QVBIS CELWR BIVIP
WANIR Ø935 BT K

THE AUTHENTICATION ELEMENTS ARE THE NINTH AND TENTH CHARACTERS OF THE TEXT (OMITTING THE FIRST TWO GROUPS NR1 AND WANIR). SEE TABLE 1. THE NINTH CHARACTER IS "I" AND THE TENTH CHARACTER IS "C". REFERRING TO TABLE 2, WE FIND THAT THE AUTHENTICATION VALUE ON MAY 5TH FOR "I" IS 15 AND FOR "C" IS 23. THE SUM OF 15 AND 23, OR 38 IS THE AUTHENTICATOR.

2. STATION AUTHENTICATION

A. THE STATIONS IN RADIO AND TELEGRAPH NETS OF SUBORDINATE UNITS MAY USE THE MESSAGE AUTHENTICATION SYSTEM DESCRIBED HEREIN FOR STATION IDENTIFICATION. A CHALLENGE GROUP OF TWO LETTERS MAY BE INSERTED IN THE CALL-UP IMMEDIATELY AFTER THE CALL SIGN OF THE CALLING STATION. THE CALLED STATION WILL RESPOND WITH THE SUM OF THE TWO LETTERS AS DESCRIBED FOR TELEPHONE AUTHENTICATION ABOVE, FOLLOWED BY A SIMILAR CHALLENGE TO THE CALLING STATION. FAILURE TO RECEIVE THE CORRECT RESPONSE WILL BE REPORTED PROMPTLY TO THE MESSAGE CENTER.

B. THE FOLLOWING IS AN EXAMPLE OF AN EXCHANGE OF TRANSMISSIONS BETWEEN TWO STATIONS ON MAY 5TH, USING THIS MESSAGE AUTHENTICATION SYSTEM FOR STATION AUTHENTICATION:

E6R3 V S9A7 NB ZMA ONE K
S9A7 V E6R3 31 CR K

E6R3 V S9A7 37 NR7 GR1Ø FIFTH 49 BT
NR2 WANIR DURSE FTNQB GAVMZ
WNQWF CZINB DURSE WANIR 1437

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[redacted]

IN THE FIRST TRANSMISSION, STATION S9A7 CHALLENGES STATION E6R3 WITH THE LETTERS NB PRIOR TO NOTIFYING HIM THAT HE HAS ONE MESSAGE TO TRANSMIT. STATION E6R3 CORRECTLY ANSWERS THIS CHALLENGE WITH THE AUTHENTICATION NUMBER 31 (N-18, B-13, THE SUM OF THESE NUMBERS BEING 31) AND THEN CHALLENGES THE CALLING STATION S9A7 WITH THE LETTERS CR. IN THE HEADING OF THE MESSAGE, STATION S9A7 CORRECTLY ANSWERS THE CHALLENGE CR WITH THE NUMBER 37 (C-23, R-14, THE SUM OF THESE NUMBERS BEING 37). NOTE THE MESSAGE AUTHENTICATOR 49, WHICH WAS INSERTED IN THE HEADING BY THE MESSAGE CENTER. THIS NUMBER, 49 WAS OBTAINED BY ADDING THE TWO NUMBERS, 36 AND 13 WHICH CORRESPOND TO THE LETTERS Q AND B, THE NINTH AND TENTH CHARACTERS OF THE TEXT, THE FIRST TWO GROUPS NR2 AND WANIR BEING OMITTED.

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MESSAGE AUTHENTICATION CODE

AUTHENTICATION ELEMENTS

TABLE 1

FROM	TO	
[illegible]	[illegible]	Ninth and tenth character of text. (body of message)
0713 0 0Z	1513 0 0Z	Thirteenth and fifteenth character of text. (body of message)
1513 0 0Z	2324 0 0Z	Tenth and thirteenth character of text. (body of message)
2324 0 0Z	3124 0 0Z	Fourteenth and seventeenth character of text. (body of message)
RESERVE:		Twelfth and fourteenth character of text. (body of message)

AUTHENTICATION VALUES

TABLE 2

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
00	01	02	03	04	05	06	07	08	09	MIX															

*ND is abbreviation for "No Data in the Message"

DATE

1	32	15	19	25	37	16	40	23	14	38	31	22	35	32	39	13	34	29	16	18	24	29	17	37	18	20
2	30	20	17	14	32	32	31	28	19	15	39	35	11	19	10	39	21	26	17	31	37	15	13	30	12	34
3	17	32	14	17	18	21	23	15	36	31	37	18	40	17	12	39	17	30	11	40	15	19	20	13	38	33
4	33	31	25	39	27	21	30	18	24	36	21	12	36	23	39	31	16	19	33	22	40	35	37	28	19	11
5	15	13	23	24	37	29	31	14	15	13	21	33	36	18	31	21	36	14	19	16	12	27	29	37	40	16
6	24	32	34	39	19	13	18	31	37	20	14	17	38	19	11	14	21	38	40	17	16	13	34	23	34	38
7	11	31	38	28	35	13	23	28	39	30	15	13	23	39	25	13	16	37	40	38	23	14	31	31	21	32
8	14	18	34	23	19	36	38	27	39	20	10	31	16	38	29	32	38	30	19	11	32	36	35	15	13	32
9	17	32	40	38	15	16	38	29	16	36	18	15	37	25	17	27	15	31	39	12	34	13	31	18	25	19
10	15	19	32	36	12	38	40	14	36	19	15	35	37	17	14	12	38	26	38	26	31	12	17	31	40	15
11	32	38	17	31	21	39	36	13	40	24	33	13	20	22	37	34	15	19	11	18	34	19	14	34	39	21
12	22	40	37	14	26	21	28	39	40	31	22	38	18	33	35	21	23	32	34	13	15	37	27	18	40	12
13	13	30	33	14	38	18	19	15	31	36	24	13	28	39	34	14	36	28	36	31	26	24	31	30	11	24
14	37	21	39	40	21	34	33	13	40	13	28	19	38	12	34	24	36	39	17	13	30	13	20	13	20	11
15	33	40	13	34	35	31	25	36	28	17	38	19	13	32	16	19	20	13	21	34	37	36	13	23	22	35
16	19	16	31	25	28	13	14	40	38	33	26	36	21	33	38	36	13	21	22	14	36	15	34	32	37	29
17	29	38	32	25	26	38	20	31	25	34	30	11	12	36	38	24	22	39	11	31	13	39	30	13	12	30
18	34	40	23	22	26	37	32	31	40	30	23	34	13	15	25	31	16	39	19	13	40	26	38	29	31	13
19	14	31	15	35	25	37	29	37	15	12	32	34	21	22	25	38	19	14	31	23	37	26	31	15	38	12
20	15	18	13	33	28	38	36	21	27	39	12	37	39	20	36	31	36	12	19	13	38	15	37	19	36	23
21	23	39	14	20	33	40	27	35	31	21	32	13	28	36	34	30	12	16	38	36	39	21	19	13	25	30
22	36	40	13	23	34	38	23	20	13	40	29	36	25	37	17	11	28	39	32	11	36	25	23	38	19	11
23	13	15	31	28	29	36	25	38	18	12	16	39	25	13	33	36	32	21	36	29	31	16	19	12	24	31
24	19	15	25	32	26	38	39	40	21	38	29	14	34	33	12	27	12	31	40	38	17	36	21	34	35	13

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[redacted]

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
00	01	02	03	04	05	06	07	08	09	ND*															

*ND is abbreviation for "No Data in the Message"

DATE

25	32	35	37	16	32	40	35	37	12	19	11	38	22	40	32	27	36	39	13	31	16	23	33	13	19	38
26	37	37	23	13	19	15	31	31	34	19	36	15	23	22	18	17	19	39	26	25	13	11	34	32	39	30
27	34	24	35	37	32	15	19	20	13	31	33	22	38	25	33	35	16	32	40	19	14	23	26	38	29	12
28	14	16	31	34	40	28	35	15	34	38	14	22	38	12	21	31	36	13	19	17	31	23	35	17	21	38
29	14	36	14	21	16	31	18	29	27	31	37	21	22	33	40	17	39	29	27	36	14	31	28	14	34	23
30	17	13	15	31	16	39	36	14	21	23	32	34	37	19	30	12	20	17	40	15	38	25	13	31	40	21
31	36	40	12	11	31	37	35	26	15	26	38	35	33	28	22	39	17	19	14	13	40	15	20	11	13	14

RESERVE VALUES

#1	15	14	36	29	36	34	23	13	11	32	12	38	39	40	33	14	21	39	12	30	16	34	37	22	19	14
#2	16	40	34	39	37	34	37	12	14	17	34	38	25	13	37	27	39	29	25	31	26	32	11	28	25	13
#3	38	36	40	13	19	36	12	22	34	21	19	33	22	31	39	23	40	20	11	13	21	26	24	38	24	37
#4	13	17	19	13	36	38	29	32	24	37	38	14	31	15	36	28	31	38	30	21	32	23	34	34	13	22
#5	14	31	27	26	35	38	40	31	12	38	40	11	31	40	25	17	19	16	23	37	20	22	13	34	38	39

UNCLASSIFIED

[redacted]

SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS) UNCLASSIFIED

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

MESSAGE AUTHENTICATION-CONVERTER M-209-A

1. THIS MESSAGE AUTHENTICATION SYSTEM IS FOR USE WITHIN THIS DIVISION BY ALL HEADQUARTERS HOLDING THE CONVERTER M-209-A.

2. THIS SYSTEM WILL BE MEMORIZED BY ALL USING PERSONNEL SINCE THIS ITEM OF SOI WILL NOT BE TAKEN ON MANEUVERS OR INTO COMBAT.

3. ALL MESSAGES, MAP ORDERS, OVERLAYS, ETC NORMALLY CARRY A "TIME SIGNED". THE "TIME SIGNED", WITH THE DATE, IS THE BASIS OF THE SYSTEM. IN CASE THERE IS NO "TIME SIGNED" THE MESSAGE CENTER "TIME FILED" WILL BE USED AND WILL BE PLAINLY ENTERED ON ANY MESSAGE, MAP, OVERLAY OR ORDER.

4. THE AUTHENTICATION CONSISTS OF A TWO LETTER GROUP, TRANSMITTED JUST BEFORE THE BT (BREAK) AT THE BEGINNING OF THE TEXT, IN CASE OF ELECTRICAL TRANSMISSION. ON BLANKS FROM THE MESSAGE BOOK M-210, IT WILL BE PLACED ABOVE THE WORD "MESSAGE".

5. THE TWO LETTER AUTHENTICATION IS DETERMINED IN THE FOLLOWING MANNER:
   ASSUME A MESSAGE, MAP, OVERLAY, OR ORDER, ETC. SIGNED AT 12:45 ON 1 JULY (HEREAFTER REFER TO THIS AS MSG)
   A. SET PINS & LUGS ON CONVERTER M-209-A ACCORDING TO SET-UP FOR DAY MESSAGE SIGNED.
   B. SET LETTER COUNTER AT ØØØØ.
   C. PLACE DAY OF MONTH BEFORE TIME SIGNED FORMING A SIX DIGIT GROUP. Ø11245
   D. SUBSTITUTE A FOR 1, B FOR 2, ...J FOR Ø
      Ø11245
      JAABDE
   E. SET THESE LETTERS IN ORDER ON THE SIX PIN WHEELS OF CONVERTER M-209-A
   F. PRESS RESET BUTTON AND ROTATE RESET KNOB TOWARD YOU UNTIL LAST TWO DIGITS OF LETTER COUNTER ARE THE SAME AS LAST TWO DIGITS OF TIME SIGNED (IN THIS EXAMPLE ØØ45)

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[redacted]

G. ENCIPHER THE FIRST TWO LETTER OF THE DAY OF THE WEEK (IN THIS CASE THURSDAY).
H. THE RESULTING TWO LETTERS (IN THIS CASE HC) FOR THE AUTHENTICATION.
I. PLACE THE AUTHENTICATION ON THE MESSAGE AS INDICATED IN PAR. 4 ABOVE.

6. ON INCOMING MESSAGES THE AUTHENTICATOR WILL BE CHECKED BY REPEATING THE ABOVE PRECESS.

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[redacted]

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

UNCLASSIFIED

TELEPHONE AUTHENTICATION

A. THIS TELEPHONE AUTHENTICATION SYSTEM IS FOR USE WITHIN THIS DIVISION BY ALL PERSONNEL USING THE TELEPHONE.

B. IT WILL BE MEMORIZED BY ALL OFFICERS AND ALL OTHERS WHOSE DUTIES REQUIRE THEM TO USE THE TELEPHONE.

C. THIS ITEM OF SOI WILL NOT BE TAKEN INTO MANEUVERS OR COMBAT.

D. THE CHALLENGE WILL CONSIST OF ANY THREE WORDS. CARE WILL BE EXERCISED TO AVOID EXTREMELY SHORT OR LONG WORDS, AND REPITITIOUS USE OF WORDS. THE ANSWER WILL CONSIST OF ANY OTHER THREE WORDS WHOSE INITIAL LETTERS ARE THE SAME AS THOSE OF THE CHALLENGE.

E. EXAMPLE:

CALLED PARTY (ANSWERING PHONE)	KING 3
CALLING PARTY (CHALLENGING)	KNOW YOUR ENEMY
CALLED PARTY (ANSWERING CHALLENGE AND CHALLENGING IN TURN)	KILL YELLOW EYES
CALLING PARTY (ANSWERING CHALLENGE)	KEEP YANKEE ENGINEER
CALLED PARTY	GO AHEAD

ITEM 10C

SHEET 1

[redacted]

UNCLASSIFIED

[redacted]

SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

[redacted]

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

UNCLASSIFIED

IDENTIFICATION PANEL CODE
NO 4

ENCODING SECTION

UNIT	PANEL EFFECTIVE 6TH TO 2ØTH OF THE MONTH	PANEL EFFECTIVE 21ST TO 5TH OF THE MONTH
84TH INF DIV (CP)	524	Ø68
84TH INF DIV (RR ECH)	471	188
84TH CAV RCN TR	472	189
333RD INF	473	19Ø
1ST BN	474	191
2ND BN	475	192
3RD BN	476	193
334TH INF	477	194
1ST BN	478	195
2ND BN	479	196
3RD BN	48Ø	197
335TH INF	481	198
1ST BN	482	199
2ND BN	483	2ØØ
3RD BN	484	2Ø1
84TH DIV ARTY (CP)	485	2Ø2
325TH FA BN	486	2Ø3
326TH FA BN	487	2Ø4
327TH FA BN	488	2Ø5
909TH FA BN	489	2Ø6

ITEM 11

[redacted]

SHEET 1

UNCLASSIFIED

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[redacted]

DECODING SECTION

PANEL		UNIT
EFFECTIVE 6TH TO 2ØTH OF THE MONTH	EFFECTIVE 21ST TO 5TH OF THE MONTH	
	Ø68	84TH INF DIV (CP)
471	188	84TH INF DIV (RR ECH)
472	189	84TH CAV RCN TR
473	19Ø	333RD INF
474	191	1ST BN
475	192	2ND BN
476	193	3RD BN
477	194	334TH INF
478	195	1ST BN
479	196	2ND BN
48Ø	197	3RD BN
481	198	335TH INF
482	199	1ST BN
483	2ØØ	2ND BN
484	2Ø1	3RD BN
485	2Ø2	84TH DIV ARTY (CP)
486	2Ø3	325TH FA BN
487	2Ø4	326TH FA BN
488	2Ø5	327TH FA BN
489	2Ø6	9Ø9TH FA BN
524		84TH INF DIV (CP)

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ITEM 11

[redacted]

SHEET 2

[redacted] UNCLASSIFIED

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

SOUND SIGNALS
NO 2

SIGNAL	MEANING
THREE (3) LONG BLASTS OF A WHISTLE, MOTOR HORN, SIREN OR KLAZON REPEATED SEVERAL TIMES; OR THREE (3) EQUALLY SPACED SHOTS WITH RIFLE OR PISTOL; OR THREE (3) SHORT BURSTS OF FIRE FROM MACHINE GUN OR SUBMACHINE GUN.*	ATTACK BY RAIDING PARTIES, AIRBORNE TROOPS, AIR FORCES, AND MECHANIZED ELEMENTS.
PERCUSSION SOUNDS SUCH AS THOSE PRODUCED BY BELLS, TRIANGLES, IRON RAILS AND EMPTY CARTRIDGE CASES, STRUCK RAPIDLY AND CONTINUOUSLY.	GAS ALARM.
FIVE (5) BLASTS OF A WHISTLE, MOTOR HORN, SIREN OR KLAXON.	ALL CLEAR.

* THE INDIVIDUAL GIVING THE SIGNAL POINTS IN THE DIRECTION OF THE IMPENDING DANGER. THE ALARM SIGNAL WILL BE SUPPLEMENTED BY VOICE WARNING TO INDICATE THE DIRECTION OF DANGER. REFERENCE FM 24-5.

ITEM 13 [redacted] SHEET 1

UNCLASSIFIED

[redacted] UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

AIRCRAFT SIGNALS
NO 2

1. THE FOLLOWING SIGNALS FOR AIRCRAFT ARE PRESCRIBED FOR USE WITHIN THE 84TH INF DIV

UNCLASSIFIED

COMMAND SIGNALS

SIGNAL	MEANING
AIRCRAFT THROTTLES MOTOR TWICE (PROPELLER IN LOW PITCH)	DISPLAY PANELS (IDENTIFICATION OR MARKING)
AIRCRAFT ZOOMS TWICE	NOT UNDERSTOOD
AIRCRAFT ROCKS TWICE	UNDERSTOOD
AIRCRAFT ROCKS WHILE FLYING LOW OVER COLUMN	ALERT FOR HOSTILE AIRCRAFT
FISHTAIL, FLYING TOWARD ENEMY	ENEMY MECHANIZED UNITS APPROACHING YOU FROM (DIRECTION)

2. ARTILLERY FIRE CONTROL SIGNALS WILL BE PRESCRIBED BY THE ARTILLERY OFFICER.

ITEM 14

[redacted]

SHEET 1

UNCLASSIFIED

[redacted]

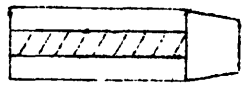
(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
10 MAR 43 0501 Z

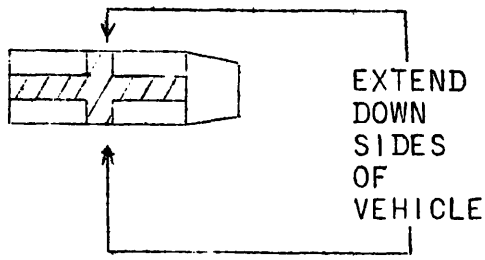
UNCLASSIFIED

VISUAL SIGNALS NO 1

MARCH MESSAGE CENTER



MESSAGE FOR AIRPLANE PICK-UP (WHEN THIS SIGNAL IS DISPLAYED, OBSERVER WILL DROP A MESSAGE GIVING LOCATION OF FIELD HE WILL USE FOR PICK-UP.)



LEADING VEHICLE OF COLUMN

LAST VEHICLE OF COLUMN

PANELS TO BE OF SUITABLE WHITE MATERIAL, OTHER THAN ISSUED PANELS, CONSTRUCTED FOR QUICK ATTACHMENT AND REMOVAL. MINIMUM WIDTH OF PANELS TO BE APPROXIMATELY ONE-THIRD OF TOP OF VEHICLE ON WHICH USED.

UNCLASSIFIED

ITEM 15

SHEET 1

[redacted]

[redacted]

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

UNCLASSIFIED

PYROTECHNIC CODE
NO 3

MEANING

SIGNAL GROUND

JUNE	JULY		AUGUST		SEPT	
25-30	1-15	16-31	1-15	16-31	1-15	16-30
M-19	M-21	M-17	M-20	M-18	M-20	M-19
M-21	M-17	M-19	M-17	M-21	M-22	M-22
M-17	M-20	M-18	M-21	M-19	M-17	M-20
M-20	M-19	M-22	M-22	M-20	M-21	M-18
M-18	M-22	M-20	M-19	M-22	M-19	M-17

UNDERSTOOD
I AM LOCATED HERE
THIS IS OUR FRONT LINE
OBJECTIVE TAKEN
FIRE BARRAGE

SIGNALS AIRCRAFT

JUNE	JULY		AUGUST		SEPT	
25-30	1-15	16-31	1-15	16-31	1-15	16-30
M-11	M-14	M-16	M-10	M-16	M-14	M-15
M-10	M-15	M-11	M-14	M-15	M-11	M-11
M-15	M-16	M-10	M-11	M-11	M-15	M-16
M-16	M-11	M-14	M-15	M-14	M-16	M-14

UNDERSTOOD
FRIENDLY PLANE
DISPLAY PANELS OR MARKING
MECHANIZED ATTACK

CARTRIDGE VERY, 10 GAGE

JUNE	JULY		AUGUST		SEPT	
25-30	1-15	16-31	1-15	16-31	1-15	16-30
WHT	RED	GRN	RED	WHT	GRN	RED
GRN	WHT	RED	GRN	GRN	WHT	GRN
RED	GRN	WHT	WHT	RED	RED	WHT

UNDERSTOOD
ARTILLERY IS FIRING
SHORT
LIFT BARRAGE

NOTE: GRN - GREEN, WHT - WHITE

NOTE: SIGNALS, GROUND
WHITE STAR PARACHUTE, M-17
WHITE STAR CLUSTER, M-18
GREEN STAR PARACHUTE, M-19
GREEN STAR CLUSTER, M-20
AMBER STAR PARACHUTE, M-21
AMBER STAR CLUSTER, M-22

SIGNALS AIRCRAFT
RED STAR PARACHUTE, M-11
RED STAR PARACHUTE CLUSTER M-14
WHITE STAR BLINKER, M-15
GREEN STAR BLINKER, M-16
WHITE STAR PARACHUTE, M-10

ITEM 16

SHEET 1

[redacted]

UNCLASSIFIED

[redacted]

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

UNCLASSIFIED

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 Ø5Ø1 Z

SMOKE SIGNAL CODE

THE FOLLOWING SMOKE SIGNAL CODE WILL BE USED BY THE 84TH INF DIV AND BY ALL SUBORDINATE ELEMENTS THEREOF.

IN THE SCHEDULE BELOW THE SIGNAL SHOWN IS A SINGLE COLOR, OR TWO COLORS DISPLAYED IN RAPID SUCCESSION.

MEANING	DAY OF MONTH - ALL CHANGES AT Ø5Ø1Z					
	1-5	6-10	11-14	15-21	22-25	26-31
1. CHALLENGE (ARE YOU FRIENDLY?) OR I AM FRIENDLY; OR, UNDERSTOOD.....	Y	W	R	V	O	W
2. MARK FRONT LINE; OR, THIS IS MY FRONT LINE.....	W	O	Y	W	R	O
3. OBJECTIVE TAKEN..	O	R	B	Y	B	R
4. FIRE BARRAGE.....	R-O	O-W	B-W	R-R	O-R	W-B
5. LIFT BARRAGE.....	V	Y	V	O	W	Y
6. ARTILLERY FIRING SHORT.....	R	B	W	R	V	B
7. DISPLAY IDENTIFICATION PANELS	B	V	O	B	Y	V
8. AM BLOCKED BY ENEMY RESISTANCE TO MY FRONT.....	O-Y	R-B	O-O	O-W	R-V	V-V

COLOR KEY

O--ORANGE
B--BLACK
R--RED
W--WHITE
Y--YELLOW
V--VIOLET

STANDARDIZED SMOKE COLORS

ORANGE
RED
YELLOW
VIOLET
WHITE
BLACK

ITEM 18

[redacted]

SHEET 1

UNCLASSIFIED