

**SIGNAL ACQUISITION**

Frequency: 107.3 MHz  
 Mode: FM  
 Schedule: 17:00 - 03:00 GMT  
 New message each hour

**MESSAGE FORMAT**

Target:  
 Agent ID Repeated 3 times for 90 seconds.

Message:  
 All groups repeated once.

First group identifies which one time pad (OTP) book.

Second group indicates how many groups follow.

Third group will match the first 5 digit

group from a page in the OTP book identified by first group.

End of message is indicated by three 0s.

**DECODING**

Begin with second group of 5 digits of the OTP indicated. Add the message and OTP together. Columns will be added with no carry. **DESTROY OTP AFTER USE.**

Example:  
 957 957 957 910 910 5 5 93762  
 93762 92403 92403 81187 81187  
 17202 17202 46108 46108 0 0 0

Agent: 957  
 OTP book: 910  
 Groups: 5  
 OTP begins: 93762

Coded:93762 92403 81187 17202 46108  
 OTP: 93762 06429 09405 52875 33991

93762 92403 81187 17202 46108  
 + 93762 06429 09405 52875 33991  
 SKIP 98822 80582 69077 79099

Decoded: 98822 80582 69077 79099

Use checkerboard CT-37c to convert decoded message to text. Apostrophe can be a comma or quotation mark. Colon can be a semicolon. FIG toggles number mode. Numbers typed 3 times. Punctuation may occur with numbers. Final group is padded with 9s as needed, ignore them.

98 82 2 80 5 82 6 90 777 90 99  
 REQ R E P O R T / 7 /

Plain text: REQUEST REPORT 7

CT-37c	M	79	Z	89	SPC	99
	L	78	Y	88	REQ	98
	K	77	X	87	(=)	97
T	6	J	76	W	(-)	96
O	5	H	75	V	(+)	95
N	4	G	74	U	( )	94
I	3	F	73	S	( ' )	93
E	2	D	72	R	( : )	92
A	1	C	71	Q	( . )	91
CODE	0	B	70	P	80	FIG 90

SEP 1984  
 HEADQUARTERS, DEPARTMENT OF THE ARMY

NOT FOR USE

93762 06429 09405 52875 33991  
 81443 51764 18701 49093 89714  
 74094 07333 58132 56963 81748  
 11943 52868 71911 17101 84462  
 15233 74221 39820 51848 72907  
 89311 84481 81680 97504 14265  
 35540 31579 17252 94282 62809  
 16788 99334 71514 35645 77682  
 29902 61396 05922 80736 59275  
 91362 47120 48778 57308 04973  
 47467 35212 12935 69434 49867

NOT FOR USE

NR 910

IN

ONE TIME PAD EXAMPLE BOOK

CIVIL AFFAIRS  
 INTELLIGENCE

DEPARTMENT OF THE ARMY FIELD MANUAL

FM 41-11

794 SUPPORT	523 MONTH	262 DELAY	000 ABORT
802 TELEPHONE	532 MORNING	271 DIFFICULT	019 ACCEPT
811 TODAY	541 MORSE	280 DOCUMENTS	028 ACCESS
820 TOMORROW	550 NEGATIVE	299 ENCODE	037 ADDRESS
839 TRAIN	569 NIGHT	307 EVENING	046 AFFIRMATIVE
848 TRANSFER	578 OBSERVATION	316 EXECUTE	055 AGENT
857 TRANSMIT	587 PASSPORT	325 FACTORY	064 AIRPLANE
866 TRAVEL	596 PERSON	334 FAILED	073 AIRPORT
875 TRUCK	604 PHOTOGRAPH	343 FERRY	082 ANSWER
884 UNABLE TO	613 POSITIVE	352 FLIGHT	091 AUTHORITY
893 URGENT	622 POSSIBLE	361 FREQUENCY	109 BETWEEN
901 VERIFY	631 POWER	370 HARBOR	118 BORDER
910 WEEK	640 PRIORITY	389 HELICOPTER	127 BUILDING
929 WITHIN	659 PROBLEM	398 HIGHWAY	136 CANCEL
938 YESTERDAY	668 QUESTION	406 IDENTITLY	145 CHANGE
947 DISREGARD MSG	677 RADIO	415 IMMEDIATE	154 CIVILIAN
956 DO NOT ANSWER	686 RECEIVE	424 IMPOSSIBLE	163 COMPROMISE
965 FORWARD THIS	695 RENDEZVOUS	433 INFORMATION	172 COMPUTER
974 REPEAT YOUR	703 REPEAT	442 INSTRUCCTIONS	181 CONFIRM
983 READABILITY	712 RESEARVATION	451 LOCATE	190 CONTACT
992 SIGNAL STRENGTH	721 ROUTINE	460 LOCATION	208 COORDINATE
785 SUPPLY	730 SATELLITE	479 MAIL	217 COUNTRY
776 SUCCESS	749 SHIP	488 MEETING	226 COVERT
767 SUBMAY	759 MSG FROM	497 MESSAGE	235 CURRENT
755 (1 TO 5/5)	771 ROUTINE	505 MILITARY	244 DANGER
749 (1 TO 5/5)	785 SUPPLY	514 MONEY	253 DECODE