

FM 31-4



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SPECIAL FORCES

**SEMPER PARATUS
SOLDIER'S MANUAL
OF COMMON TASKS
FOR SQI S**

NOVEMBER 1982

HEADQUARTERS, DEPARTMENT OF THE ARMY

FIELD MANUAL
No. 31-4

*FM 31-4
Headquarters
Department of The Army
Washington, DC
Washington, DC. 29 November 1982

SPECIAL FORCES SOLDIER'S MANUAL
OF COMMON TASKS FOR SQI S

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The words "he," "him," "his," and "men," when used in this publication, represent both the masculine and feminine genders, unless otherwise specifically stated.

*This publication supersedes Chapter 2 of FM 31-11B-S, 16 October 1979; FM 31-11C-S, 2 September 1980; FM 31-12B-S, 13 April 1981; and FM 31-31V-S, 1 July 1981.

PREPARE A DOUBLE TRANSPOSITION CIPHER

CONDITIONS:

Given a pencil, paper, two memory 10-letter word(s) or phrases, in a classroom or field environment, under unconventional warfare (UW) conditions.

STANDARD:

Write a message using a double transposition cipher in 10 minutes without error.

PERFORMANCE MEASURES:

1. Write a message using a single transposition cipher in 5 minutes without error.

a. Write the first 10-letter memory word(s) or phrase across the paper.

NOTE: Leave enough space between the letters of the memory word to avoid confusion when writing the clear text message underneath.

b. Write the message underneath the 10 letters; place the eleventh letter of the message under the first letter of the message and continue writing on a letter-by-letter basis until the message is complete. Put XXs at the ends of sentences and end of message to insure each letter of memory phrase has an equal number of letters underneath.

c. Alphabetize the first 10-letter memory word(s) or phrase. Put small numbers above each letter. For example A is 1, B is 2, C is 3, Z is 10.

d. Draw lines vertically separating the 10-letter memory word(s)/phrase. Extend these lines down the page until the bottom line of the message is reached.

e. Go to column number 1 and write down the first five letters in that column forming a 5-letter group.

f. If the letters in column 1 do not make a 5-letter group, go on to column 2, and finish the group. (Always start at the top of the column and work down).

g. If the letters in column 2 do not complete the 5-letter group, go on to column 3 and finish the group.

h. Continue this process until all letters are placed into 5-letter groups.

i. Put the 5-letter groups in order from left to right as if reading a page. (See fig 1.)

2. Write a message using a double transposition cipher in 5 minutes without error.

a. Write the second memory word(s)/phrase on the paper.

	2	8	9	7	4	6	1	5	3	10
	C	O	R	N	F	L	A	K	E	S
S	E	N	D	R	E	S	U	P	P	
L	Y	T	O	T	H	E	B	R	I	
D	G	E	B	Y	T	H	E	C	H	
U	R	C	H	X	X	A	M	M	O	
N	E	E	D	E	D	U	R	G	E	
N	T	L	Y	W	I	T	H	M	A	
G	A	Z	I	N	E	S	X	X	X	

SEHAU	TSSLD	UNNGP	RCMGM
XRTVU	EWNUB	EMRHX	EHTXD
IEDOB	HDYIE	YGRET	ANTEC
ELZPI	HOEAX		

Figure 1

b. Place the first 5-letter group of the single transposition cipher underneath the first five letters of the second memory word(s)/phrase on a letter-by-letter basis.

c. Place the second 5-letter group of single transposition cipher under the second five letters of the memory word(s)/phrase.

d. Place the third 5-letter group of single transposition cipher under the first 5-letter group of single transposition cipher on a letter-by-letter basis.

e. Continue on until all 5-letter groups of single transposition cipher are placed under the second memory word(s)/phrase on a letter-by-letter basis.

f. To complete the double transposition cipher process repeat steps 1d-j. (See fig 2.)

2	7	1	3	6	5	8	9	10	4
B	L	A	C	K	H	O	R	S	E

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

HNTRD	RZSUX	EIYEA	GYHOE
PDMBD	ECNTR	EEHAH	UPXXB
TIENR	MEGLS	CWHDN	OSMNT
YTELG	UXIEA		

Figure 2

REFERENCES:

None