



REF ID: A67567
~~TOP SECRET~~

NATIONAL SECURITY AGENCY
WASHINGTON 25, D. C.

Serial:3699
27 May 1955

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SUBJECT: Report of Communications Security Violations

TO: Chief of Naval Operations (OP-30)
The Pentagon

1. Attached is the quarterly (January through March 1955) compilation of communications security violations reported to or noted by this Agency which occurred in communications of those Navy stations which handle COMINT traffic. You have been furnished completed evaluations of those cryptographic violations which were reported as possible compromises.

2. This report is furnished primarily for guidance in improving the security of COMINT communications. Similar reports are forwarded to Chief, Army Security Agency, and Commander U. S. Air Force Security Service. Upon request, additional copies of this report will be provided in sufficient quantity for dissemination to those activities under your Command engaged in COMINT operations.

3. Extracts from this quarterly summary may be classified SECRET if the extracts are restricted to lists of violations which involve messages classified no higher than SECRET. For example, the list of violations committed by an activity which originates messages classified no higher than SECRET may be extracted and forwarded to that activity as SECRET material. The key list is SECRET in classification.

4. This correspondence may be downgraded to SECRET upon removal of Inclosure 1.

FOR THE DIRECTOR:

G. M. MILLER, JR.
Major AGC
Asst. Adj. Gen.

2 Incls:

1. Communications Security Violations
by Navy Stations.
2. Key List of Navy Violations.

APPENDED DOCUMENTS

Appended Documents Require Cryptoclearance

Copy furnished:
CNO (OP-30G)

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Serial: 3699
27 May 1955

cc: NSA Europe
NSA United Kingdom
NSA Far East
NSA Alaska
NSA Pacific
AG
C/S
COMSEC (3)
S/ASST
COM
PROD
O6B
411
413

M/R: This is a compilation of communications security violations committed by Navy COMINT stations during January, February, and March 1955. A similar report will be forwarded to Chief, ASA, and COMDR, USAFSS.

M. M. Orris

M. M. Orris/4131-1/60454/gh

Appended Documents Require Cryptoclearance

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COMMUNICATIONS SECURITY VIOLATIONS BY NAVY STATIONS

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
			<u>USN-10</u>
			<u>MARCH</u>
22		8	Operator in "Text"
			<u>USN-11</u>
			<u>JANUARY</u>
110618Z	UZR	3d	Broke on BETJI vice BETGI
221032Z	WMU	7a	Broke on CC vice DD
			<u>USN-12</u>
			<u>JANUARY</u>
180900Z	AJY	1	Sections 1, 2, and 3 broke on PM rotor arrangement
251747Z	AVF	3b	Broke on UTAKY vice VTAKY
			<u>MARCH</u>
090350Z	ANA	3a	Broke on XSDWI vice XSWDI
100203Z	ATJ	2	Broke using key list assigned to NSA
100300Z	ATL	2	Broke using key list assigned to NSA
100415Z	AUB	2	Broke using key list assigned to NSA
			<u>USN-13</u>
			<u>JANUARY</u>
190520Z	DUP	4	Omitted letter in message indicator
210750Z	EHC	3a	Broke on ZXAI A vice ZAXIA
220833Z	EFJ	6	Broke using trigraph EJF
			<u>FEBRUARY</u>
131302Z	BEC	3d	Broke on MEASL vice MEMSL
161818Z	BMR	3d	Broke on XEARA vice MGAR A
210340Z	BZU	1	Broke on PM rotor arrangement

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INCL 1

~~TOP SECRET~~VIOLATIONS (Cont d)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>USN-13 (cont 'd)</u>			
<u>MARCH</u>			
101910Z	BCB	3d	Broke on YFFWQ vice YWFFD
180846Z	BZN	3d	Broke on 'XKCYI vice XKCYE
<u>USN-14</u>			
<u>JANUARY</u>			
181530Z	BNN	1	Broke on AM rotor arrangement
<u>MARCH</u>			
151705Z		5	"UEJZL"
<u>USN-15</u>			
<u>JANUARY</u>			
111608Z	ACD	1	Broke on AM rotor arrangement
<u>USN-19</u>			
<u>JANUARY</u>			
111615Z	AJL	3d	Broke on RHMNN vice RPMNN
<u>FEBRUARY</u>			
181930Z	EDZ	3d	Broke on BRSHV vice RBSHV
<u>USN-20</u>			
<u>JANUARY</u>			
110405Z	AJT	3d	Broke on JRAFF vice JRYFF
<u>MARCH</u>			
291917Z	AUN	4	Omitted letter in message indicator

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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>USN-27</u>			
<u>JANUARY</u>			
100838Z	CQN	1	Broke on AM rotor arrangement for 11 Jan
181854Z	EGK	3c	Broke on DGUYV vice DBUYV
<u>FEBRUARY</u>			
201212Z	DLT	1	Broke on AM rotor arrangement
<u>USN-39</u>			
<u>JANUARY</u>			
16		8	Keyboard operation
16		8	Keyboard operation
<u>MARCH</u>			
040802Z	APS	7a	Broke on BB vice AA
<u>USN-40</u>			
<u>JANUARY</u>			
142153Z		8	Operator thought he was on room circuit
<u>FEBRUARY</u>			
150003Z	AGN	2	Broke using keylist assigned to NSA
150017Z	AGP	2	Broke using keylist assigned to NSA
<u>MARCH</u>			
100010Z	AEG	3d	Broke on CKSZT vice CKSZH

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KEY LIST OF NAVY VIOLATIONS.

January, February, & March, 1955

ROTOR ARRANGEMENT

1. Use of a rotor arrangement for an inappropriate cryptoperiod, day or month. (Reference AFSAG 1262, para 5006a(1))
2. Use of a rotor arrangement from a key list assigned to another station. (Reference AFSAG 1262, para 5003b)

ROTOR ALIGNMENT AND MESSAGE INDICATOR

3. Discrepancy between the message rotor alignment resulting from decipherment of the message indicator and the message rotor alignment actually required to decipher the message, although the latter was correctly derived. The discrepancy involves (a) transposition of letters, (b) substitution of a letter alphabetically adjacent to the correct letter, (c) substitution of a phonetically similar letter, or (d) errors in encipherment.
4. Omission or addition of one or more letters to the message indicator.
5. The message rotor alignment was transmitted in the clear. (Reference AFSAG 1231B, para 6004a(2))

KEY GROUP

6. The trigraphic key-group indicator in the message indicator did not correspond to the key group actually used for encipherment. Reuse of a key group was not involved. (Reference AFSAG 1262, para 5004b)

MACHINE DESIGNATOR AND MULTISWITCH SETTING

7. The machine designator in the message indicator did not correspond to the multiswitch setting used for encipherment. The messages were (a) correctly enciphered or (b) incorrectly enciphered. (Reference AFSAG 1262, para 6002a(1))

ADDITIONAL VIOLATIONS

8. Transmission in the clear of classified information.

INCL 2


CRYPTOCLEARANCE REQUIRED

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CRYPTOCLEARANCE REQUIRED

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Serial: 3913
7 June 1955

- cc: NSA Europe
- NSA United Kingdom
- NSA Far East
- NSA Alaska
- NSA Pacific
- AG
- C/S
- COMSEC (3)
- S/ASST 
- COM
- PROD
- O6B
- 411
- 413

M/R: This is a compilation of communications security violations committed by Army COMINT stations during January, February, and March 1955. A similar report will be forwarded to CNO and COMDR, USAFSS. ASA furnished 40 copies. Recipients under internal distribution to be furnished one copy each of Incl 1 and 2.

M. M. Orris

M. M. Orris/4131-1/60454/mw

APPENDED DOCUMENTS
REQUIRE CRYPTOCLEARANCE

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