

MEMO ROUTING SLIP

REF ID: A57262

USE FOR APPROVALS, DISAPPROVALS,
OCURRENCES, OR SIMILAR ACTIONS

1	NAME OR TITLE <i>Col. Marcy</i>	INITIALS <i>AM</i>	CIRCULATE
	ORGANIZATION AND LOCATION <i>C/S</i>	DATE	COORDINATION
2	<i>Mr. Wenger</i>	<i>7/2/53</i>	<input checked="" type="checkbox"/> INFORMATION
3	<i>Mr. Friedman</i>		<input checked="" type="checkbox"/> NECESSARY ACTION
			<input checked="" type="checkbox"/> NOTE AND RETURN
4			SEE ME
			SIGNATURE

REMARKS

Suspense
~~*1 Sept*~~
4 Jan 53

FROM NAME OR TITLE

Friedman

DATE

20 June 53

ORGANIZATION AND LOCATION

TELEPHONE

Declassified and approved for release by NSA on 05-19-2014 pursuant to E.O. 13526

DD FORM 1 FEB 50 95

Replaces DA AGO Form 895, 1 Apr 48, and AFHQ Form 12, 10 Nov 47, which may be used.

16-48487-4 GPO ☆

~~TOP SECRET~~~~TOP SECRET - SECURITY INFORMATION~~

16 June 1952

MEMORANDUM FOR THE TECHNICAL CONSULTANT

SUBJECT: Comments on D/F on Security of AFSA Communications
(From: Chief, Comm Div to C of S, dtd 28 May 52)

1. Coordination between the Analysis and Evaluation Division, the Technical Consultants Group of the Office of Operations, and the Communications Division has increased to such an extent in recent months that it is believed the functions of the once-proposed Communications Security Review Board are now being adequately fulfilled. Comment No. 2 of the subject D/F is considered to be quite appropriate. Para 5 of that Comment is a restatement of the necessity for on-line equipment not now available.

2. In answer to the query of the Chief of Staff, the following information on present and planned activity in securing monitoring of AFSA Communications is submitted:

*This was really
... W's
querying me.*

a. Continuing analysis of AFSA communications is performed in the Transmission Security Branch of the Analysis and Evaluation Division. At present, monitoring of AFSA communications covers all circuits in and out of the ASA and NavSecSta (N-2) Communication Centers which handle distribution of the COMINT-product and associated traffic of the Services. The volume analyzed approximates 650 messages a working day. As a result of this monitoring and analysis, and of direct coordination with the Communications Division, measures have been taken which have reduced the amount of information derivable from AFSA communications by traffic analysis techniques.

b. Plans have been made to have all traffic, including intercept-forwarding, to and from the consolidated AFSA Communications Centers at Arlington Hall processed by machine methods and further analyzed for a period of approximately 30 days before and after the implementation of the ORCUS cryptosystems in an effort to determine the effects of the change. It should be noted that the volume of traffic expected to be handled in an average working day will be approximately 3,250 messages which will require the use of machine processing and an increased personnel complement. It is expected that some of the IBM facilities of the Office of Operations and a sufficient number of personnel will be available for this task.

3. Some other recent developments which will improve the security of AFSA communications follow:

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3. a. Arrangements have been completed for a simple cover program (See AFSA message date-time group 261648 Z April 52, AFSA No. S65839) to provide some degree of protection against successful foreign analysis of those high precedence messages which, from time to time, must be originated by the Office of Operations and addressed to all, or nearly all, intercept stations following a sudden change in target stations' call signs, frequencies, etc. It is planned to have occasional dummy messages introduced into communication channels for the purpose of avoiding attracting attention to messages of a non-routine nature.

b. All initial material for use with the ORCUS cryptosystems is scheduled for completion by 15 July and should be in distribution soon after that date.

c. A standard manual of communications operating instructions will be available for the first time to all intercept stations when distribution of AFSAG 1262, referred to in paragraph 4b of Comment No. 2 and scheduled for completion by 1 July, is completed. AFSAG 1262 will be distributed with the ORCUS cryptomaterial.

James B. Leman, for

C. C. CORRY
Head, AFSA-411

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