

Mark:

Just the simple
modification below -
agree 100%

JCS



~~TOP SECRET~~
REF ID: A655146
~~TOP SECRET~~
ARMY SERVICE FORCES

SIGNAL SECURITY AGENCY

WASHINGTON 25, D. C.

~~Secret~~
By Authority of the
Commanding Officer
Initials Date



SPSIS-3

SUBJECT: Analysis of the Security of Communications

TO: Commanding Officer
Signal Security Agency
Washington 25, D. C.

1. Reference is made to a memorandum issued by the Deputy Chief, MIS, dated 3 March 1945, subject: "Intelligence Concerning Security of Communications" (Tab A). A part of the first paragraph of this memorandum reads as follows:

"1. The Director of Intelligence, MIS is hereby charged with primary responsibility for conducting research in connection with material obtained from Ultra sources relating to (1) compromises of cryptographic systems employed by U. S. or Allied forces and (2) indications of enemy traffic analysis of U. S. or Allied communications."

2. After three months of working under this directive, it is believed that this part of it should be changed to vest primary responsibility for analyzing and synthesizing this material in a joint MIS-SSA committee since MIS personnel alone lack sufficient background and experience in communications, traffic analysis, cryptographic and cryptanalytic techniques. Thus, studies and reports would be prepared at Signal Security Agency with MIS assistance, but dissemination would still be a responsibility of MIS. Under the present arrangement, Signal Security Agency personnel have been working on these studies at MIS on an experimental basis. After SSA personnel have prepared the studies, the latter are then subject to delays in publishing and editing out of important phases by MIS personnel due to a different point of view and the aforesaid lack of experience.

3. In order to insure proper coordination in these matters between Signal Security Agency and MIS, and within Signal Security Agency itself, it is recommended that a permanent Joint SSA-MIS Committee be set up to consist of the following members:

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SPSIS-3 (26 June 45)

Director of Communications Research, Chairman
Asst. Director of Communications Research, Deputy
Representatives from MIS
Security Division Liaison Officer to MIS
Representative from Protective Security Branch
Representative from T/A and Control Branch
Representative from Communications Security Branch,
Secretary

4. Broadly stated the functions of this committee would be to determine what studies are necessary, coordinate their preparation, and recommend their distribution. More details are given in the subsequent paragraphs.

5. Coordination will be necessary for the pertinent functions, which functions are recommended to be assigned as follows:

a. The assemblage of the complete information of the Japanese T/A results and their explanation in terms of standard T/A techniques. This should be the primary responsibility of the T/A section of the Intelligence Division, SSA.

b. The assemblage of the complete information of the Japanese cryptanalytic results, the identification of the Allied cryptographic system or communications practice referred to by the Japanese, and the determination of the correctness of the Japanese conclusions. This should be the primary responsibility of the Security Division, SSA, since this unit has access to the actual cryptographic systems and the communication practices employed as well as to collateral information (including any possible deception program which may be used).

c. The determination of the correctness of the information reported by the Japanese with respect to battle order, disposition, subordination, and operations of Allied troops. This should be the primary responsibility of MIS, since it has access to such information.

6. When the foregoing phases of analysis and synthesis have been completed, recommendations for corrective action would be made jointly, and the result, written up in usable form for the theater commander, would be disseminated through established MIS channels.

7. The process of analysis and the derivation of corrective recommendations should be applied to communications not only of a War Department echelon but to those employed in

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SPSIS-3 (26 June 45)

the Theaters, since the knowledge of such possible breaches of security, their analysis and possible corrective action may be available only in Washington.

8. There is attached hereto a draft of a letter to the Deputy Chief, MIS, which has the concurrence of MIS personnel concerned, implementing the recommendations made in the foregoing paragraphs, and which has attached thereto a revised directive to replace that of 3 March 1945.

1 Incl:

WILLIAM F. FRIEDMAN
Director of
Communications Research

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SPSIS-3

SUBJECT: Analysis of the Security of Communications

TO: Commanding Officer
Signal Security Agency
Washington 25, D. C.

1. Reference is made to a memorandum issued by the Deputy Chief, MIS, dated 3 March 1945, subject: "Intelligence Concerning Security of Communications" (Tab A). A part of the first paragraph of this memorandum reads as follows:

"1. The Director of Intelligence, MIS is hereby charged with primary responsibility for conducting research in connection with material obtained from Ultra sources relating to (1) compromises of cryptographic systems employed by U. S. or Allied forces and (2) indications of enemy traffic analysis of U. S. or Allied communications."

2. After three months of working under this directive, it is believed that this part of it should be changed to vest primary responsibility for analyzing and synthesizing this material in a joint MIS-SSA committee since MIS personnel ~~do not have~~ sufficient background and experience in communications, traffic analysis, cryptographic and cryptanalytic techniques. Thus, studies and reports would be prepared at Signal Security Agency with MIS assistance, but dissemination would still be a responsibility of MIS. Under the present arrangement, Signal Security Agency personnel have been working on these studies at MIS on an experimental basis. After SSA personnel have prepared the studies, the latter are then subject to delays in publishing and editing out of important phases by MIS personnel due to a different point of view and the aforesaid lack of experience.

Have not had the opportunity to gain

Not clear how the name of any institution

3. In order to insure proper coordination in these matters between Signal Security Agency and MIS, and within Signal Security Agency itself, it is recommended that a permanent Joint SSA-MIS Committee be set up to consist of the following members:

Declassified by NSA/CSS
Deputy Associate Director for Policy and Records
On 20130910 by *mm*

dissemination
of their reports to
our cryptanalysts.
JSC's field repr.
(78 people would
have to be cleared
for Ultra.)

Yostman wants to
bring up for
discussion. (Exchange
of tech. inf. like T/S +
crypt. ds). However
it would mean 10
people cleared for Ultra
as they come to Wash
for receiving which
always happens.

~~TOP SECRET~~
REF ID: A65516

23 June 1945

SUBJECT: Analysis of the Security of Communications

TO: Deputy Chief, Military Intelligence Service
Room 2E 800, The Pentagon
Washington 25, D. C.

1. Reference is made to a memorandum issued by the Deputy Chief, Military Intelligence Service, dated 3 March 1945, subject: "Intelligence Concerning Security of Communications" (Tab A). A part of the first paragraph of this memorandum reads as follows:

"1. The Director of Intelligence, MIS is hereby charged with primary responsibility for conducting research in connection with material obtained from Ultra sources relating to (1) compromises of cryptographic systems employed by U. S. or Allied forces and (2) indications of enemy traffic analysis of U. S. or Allied communications."

2. After three months of working under this directive, it is believed that this part of it should be changed to vest primary responsibility for ^{the technical analysis and synthesis of} analyzing this material to a committee composed of representatives of the Signal Security Agency and ^{the} Military Intelligence Service. The committee would be responsible for the preparation of reports analyzing foreign success ^{in traffic analysis and solution} ~~with regard to reading Allied cryptographic systems and to conducting traffic analysis of Allied~~ communications. Dissemination, as in the past, would be exclusively through Military Intelligence Service channels.

3. It is suggested that the following individuals should comprise the committee:

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Letter to Gen. Canine

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Director of Communications Research, *Chairman*
 Asst. Director of Communications Research, Deputy
 Representative from MIS *and other A*
 Security Division Liaison Officer to MIS
 Representative from Protective Security Branch
 Representative from T/A and Control Branch
 Representative from Communications Security Branch,
 Secretary

4. It is believed that the committee could coordinate more effectively the research now being carried on and would insure more timely dissemination of results produced.

5. *The recommended changes in the directive*
 A revised directive to replace that of 3 March 1945
are attached hereto. (*Tab B*)

1 Incl
 Revised directive

W. PRESTON CORDERMAN
 Colonel, Signal Corps
 Commanding

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Director of Communications Research
Asst. Director of Communications Research, Deputy
Representatives from MIS *as desired.*
Security Division Liaison Officer to MIS
Representative from Protective Security Branch
Representative from T/A and Control Branch
Representative from Communications Security Branch,
Secretary

4. It is believed that the committee could coordinate more effectively the research now being carried on and would insure more timely dissemination of results produced.

The desired changes to the directive
5. ~~A revised directive to replace that of 3 March 1945~~
are is attached hereto. (Sub B)

1 Incl
Revised directive

W. PRESTON CORDERMAN
Colonel, Signal Corps
Commanding

~~TOP SECRET~~

Subject: Analysis of the Security of Communications

To: CO SSA

1. Reference is made to a ~~directive~~ ^{memorandum} issued by the Deputy Chief M15 dated 3 March 1945 subject "Intelligence Concerning Security of Communications" (Tab A). ~~The~~ A part of the first paragraph of this memorandum ^{reads as} follows:

(Quote first part)

2. After three months of working under this ~~directive~~ ^{it} it is believed that this part of the ~~directive~~ ^{it} should be changed to vest primary responsibility for analyzing this material in SSA since M15 personnel lack sufficient background and experience in communications, traffic analysis, and cryptographic and cryptanalytic techniques. These studies and reports would be prepared at SSA with M15 assistance, but dissemination would still be a responsibility of M15. Under the present arrangement SSA personnel have been working on these studies at M15. ^{have} prepared the studies which are then subject to delays in publishing and editing out of

important matters (TAN)

3. In order to insure proper coordination in these matters between SSA and MIS and within SSA itself it is recommended that a permanent committee be set up at SSA with myself, as chairman and containing the following members

- Asst. D.C.R., Deputy Representative from MIS
- Security Division Liaison Officer, Capt. Mann
- Representative from ~~at~~ Branch
- " " T/A and Control Branch
- " " Com. Sec. Branch, Secretary

4. The functions of this committee will be to determine what studies are necessary, coordinate their preparation, and recommend their ~~distribution~~ distribution.

5. Coordination will be necessary for the necessary functions which are recommended to be assigned as follows:

- a
- b
- c
- ~~6.~~
- 6.
- 7.