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NSA OPERATIONS ORDER
ANNEX 302-1

NATIONAL SECURITY AGENCY
Washington 25, D. C., 6 April 1955

EFFECTIVE UNTIL RESCINDED OR SUPERSEDED

[REDACTED] OPERATIONAL AIR COMINT ENTITY

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EO 3.3(h)(2)
PL 86-36/50 USC 3605

SECTION I - SUPERSESSION

This Annex supersedes Annex A to NSA Operations Order Number 302 dated 2 August 1954, which may be destroyed in accordance with existing regulations.

SECTION II - DEFINITION

For the purposes of this Annex, the [REDACTED] Operational Air COMINT Entity is defined as comprising, (1) the "ALL [REDACTED] tional Net", (2) all air-to-ground unit nets [REDACTED], and (3) all ground-to-ground flight service nets [REDACTED]. All tasks and responsibilities set forth in this Annex apply only to the [REDACTED] COMINT Entity.



SPECIAL HANDLING REQUIRED

NOT RELEASABLE TO FOREIGN NATIONALS

The Information contained in this document will not be disclosed to foreign nationals or their representatives

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SECTION III - INTERCEPT CONTROL

1. The 6920th Security Wing has full intercept control responsibility for the positions allocated to the [redacted] COMMINT entity (except for the flight service nets) and designated as Category C positions in accordance with NSA Circular 51-10. The positions allocated to cover the ground-to-ground flight service nets are designated as Category J positions.

2. The 6920th Security Wing will forward, by bag, a monthly recapitulation of intercept assignments to NSA as soon as possible after the end of each month.

3. NSA is responsible for changes in the number of [redacted] positions assigned to each category as outlined in NSA Circular 51-10.

PL 86-36/50 USC 3605
EO 3.3(h)(2)

SECTION IV - TEXTA

1. The 6920th Security Wing is the source for the production of official TEXTA in accordance with procedures outlined in the current TEXTA handbook, for all elements of the [redacted] COMMINT entity referred to in Section II (except for the Central/South China area, for which [redacted] is the official TEXTA source) and is responsible for the necessary timely dissemination of official TEXTA originated by them.

2. TEXTIN developed at NSA, [redacted] and subordinate units of the 6920th Security Wing is to be forwarded to the 6920th Security Wing. The 6920th Security Wing is responsible for assimilation, or comment when TEXTIN details are not acceptable.

3. For those areas for which [redacted] is the source for the production of official TEXTA, the 6920th Security Wing will forward TEXTIN to [redacted] for review and comment as necessary.

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SECTION V - TRAFFIC ANALYTIC RESPONSIBILITIES

1. The 6920th Security Wing is responsible for full scale T/A effort on a seven-day week basis for all elements of the [redacted] referred to in Section II to fulfill the responsibility for daily and short-term reporting. This effort shall, as a basic minimum, include integrated processing at one location of all available materials from all portions of this entity in order to accomplish necessary fusion.

2. NSA will conduct T/A as necessary for technical control and technical support purposes and as a part of the NSA responsibility for conduct of long-term studies.

SECTION VI - CRYPTANALYTIC RESPONSIBILITIES

1. NSA is responsible for the determination of those cryptographic systems to be processed by the 6920th Security Wing. Normally, NSA will assign to the 6920th Security Wing those systems falling in States of Solution 3 through 5 (reference NSA Circular 52-17).

2. Under this State of Solution arrangement, the following systems will be the responsibility of the 6920th Security Wing:

(None at present)

EO 3.3(h)(2)
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3. When it has been determined that a system has reached State of Solution 3, responsibility for the system will normally be transferred to the 6920th Security Wing. This transfer will be effected through technical channels. NSA will notify [redacted] of all such transfers.

4. 6920th Security Wing will notify NSA by message with appropriate precedence, of all changes in encipherment. When a new system appears, or an existing system changes to State of Solution 2 or below (initially determined by the 6920th Security Wing) and it cannot be solved within 72 hours, the 6920th Security Wing will immediately begin forwarding the raw traffic to NSA by electrical means with routine precedence. NSA will advise the 6920th Security Wing when this electrical forwarding will cease.

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5. If there should be any question as to whether a system is in State of Solution 2 or below, the 6920th Security Wing will adhere to the traffic forwarding procedure outlined in Paragraph 4 until the question is resolved.

6. Temporary UKUSA system short titles will be assigned and forwarded to NSA in accordance with NSA Circular 52-1.

7. The 6920th Security Wing is responsible for submitting Monthly Cryptanalytic Status Reports (NSA Circular 52-17) recapitulating the status of all systems which have been assigned to it. NSA will issue status reports as necessary on systems in States of Solution 0, 1 and 2.

8. In addition to the monthly cryptanalytic status report required by NSA Circular 52-17, the 6920th Security Wing will prepare a separate C/A System Recap report at least once each calendar quarter on each system for which it is responsible. These reports will contain a complete description of the entire system as follows:

a. Introduction

Narrative description of system's use.

b. Summary

Narration of history of the system.

c. Details

Description of cryptographic details of the system.

d. Appendices

(1) Appendix A - Present a master list of code recoveries with validities.

(2) Appendix B - Recap all code and cipher recoveries, including keys, strips, starting points, substitution tables, etc.

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SECTION VII - TRANSLATION RESPONSIBILITIES

1. The 6920th Security Wing is responsible for publication of significant translations. This responsibility includes review and re-publication, as necessary, of all significant, unique, translations falling within this COMINT Entity.

2. All translations will be published by the 6920th Security Wing using the NSA Bulletin Format.

3. NSA will review the translations made by the 6920th Security Wing for technical control and technical support purposes.

SECTION VIII - REPORTING RESPONSIBILITIES

1. Technical Reports

a. The 6920th Security Wing is responsible for timely technical reporting as necessary including the preparation of the following:

- (1) Official TEXTA and comments on TEXIN received at the 6920th Security Wing.
- (2) Weekly Traffic Analysis Summary (Weekly TASUM). See Appendix A.
- (3) Monthly Recapitulation of Intercept Assignments.
- (4) Monthly Cryptanalytic Status Report.
- (5) Cryptanalytic recoveries.
- (6) C/A System Recap Reports.
- (7) Such additional technical reports as may be required by NSA Circular (50-series) or which are derived from the normal analysis activity of the station.



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b. Where the 6920th Security Wing requires semi-processed material from its subordinate units, NSA, upon specific request, will be provided with information copies of such material. The 6920th Security Wing will inform NSA of the means employed to collect such material.

c. NSA is responsible for technical reports which result from long-term studies conducted at NSA and those studies involving fusion of technical material from this problem with material from other non-decentralized problems. The 6920th Security Wing will be an addressee on these reports.

d. In the event the 6920th Security Wing possesses the capability for production of any long-term technical studies on [redacted] NSA will be informed in advance of full details of purpose, scope etc. of the contemplated study.

2. End-Product Reports

PL 86-36/50 USC 3605
EO 3.3(h)(2)

a. The 6920th Security Wing is responsible for producing the following end-product reports on the [redacted] Problem:

- (1) Translations
- (2) Daily [redacted]
- (3) Monthly Multiplace and Fighter Activity Report. Detailed instructions for preparing this report will be forwarded through technical channels.
- (4) Spot reports as necessary.
- (5) "Wrap-up" reports. These reports are to be similar to the NSA O/CC-A series, and will be distributed to interested consumers (see Section XI) in hard copy form; however, the more significant reports are also to be issued in gisted form and transmitted electrically to interested consumers. The gist does not replace the hard copy, which will be distributed.

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b. NSA is responsible for end-product reports which are produced as a result of long-term studies and those studies involving fusion of this problem with other non-decentralized COMINT Entities. NSA will be informed in advance of full details of purpose, scope, etc., of the contemplated study. Any long-term end-product reports produced by the 620th Security Wing on the [redacted] Problem will be passed to NSA for review and publication.

SECTION IX - SOURCES OF TECHNICAL SUPPORT

1. The 620th Security Wing is responsible for technical support to subordinate units.
2. NSA is responsible for technical support to the 620th Security Wing and its subordinate units.

SECTION X - LIAISON

The liaison channel with [redacted] on routine matters pertaining to the problem decentralized by terms of this annex will be 620th Security Wing to SUSLO [redacted] (info: NSA, NSAFF, and NSAPAC). The liaison channel on non-routine matters will be 620th Security Wing to NSA (info: SUSLO [redacted], NSAFF, and NSAPAC).

SECTION XI - DISTRIBUTION

1. Technical Reports - Technical reports are to be distributed to the organizations listed by the means indicated.

a. Official TEXTA - by electrical means to:

- (1) NSA PL 86-36/50 USC 3605
- (2) [redacted] EO 3.3(h)(2)
- (3) Subordinate units of the 620th Security Wing as appropriate.

b. TEXTB - The 620th Security Wing will forward comments on [redacted] means considered appropriate, to the organization submitting the TEXTB (info: all other information addressees of the TEXTB).

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c. Weekly TASUM - by courier to NSA and . NSA will forward three copies to by bag.

d. Monthly Recapitulation of Intercept Assignments - eight copies by bag to NSA.

e. Monthly Cryptanalytic Status Reports - in accordance with NSA Circular 52-17.

f. C/A System Recap Reports - by bag to NSA, (3 copies), and (2 copies)

g. Cryptanalytic recoveries as available - by electrical means to NSA and

2. End-product reports will be distributed automatically to Air Force recipients in accordance with Section V, paragraph 9 of NSA Operations Order No. 302. Distribution to non-Air Force recipients will be as follows:

a. Translations - by electrical means to:

(1) NSA

(2)

(3)

(4)

(5) USN-27

(6)

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b. Daily - by electrical means to:

(1) NSA

(2)

(3)

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(4) ASAFE (Pass to SSR FEC for CINCFE)

(5)

(6) USN-27

(7)

(8) SSO, Hq., SAC

(9) SSO, Hq., ADC

c. Monthly Multiplace and Fighter Activity Report, by courier to:

PL 86-36/50 USC 3605
EO 3.3(h)(2)

(1) NSA - 15 copies

(2) ASAFE - 4 copies (pass to SSR FEC for CINCFE)

(3) - 2 copies

(4) USN-27 - 2 copies

(5) - 2 copies

(6) 6 copies

(7) 6 copies

(8) - 3 copies

d. Spot reports - by electrical means to:

(1) NSA

(2)

(3)

(4)

(5) ASAFE (pass to SSR FEC for CINCFE)

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(6) []

(7) USII-27

(8) []

(9) SSO, HQ., SAC

(10) SSO, HQ., ADC

PL 86-36/50 USC 3605
EO 3.3(h)(2)

e. "Wrap-up" reports - hard copy as indicated; gists by electrical means to the following:

(1) NSA - 15 copies

(2) [] - 6 copies

(3) [] - 2 copies

(4) USII-27 - 2 copies

(5) [] - 2 copies

(6) ASAFE - 4 copies (pass electrical gists to SSR FEC for CINCFE)

(7) [] - 6 copies

3. All courier material authorized for [] is to be packaged separately and forwarded to NSA, marked for the appropriate agency. All electrical material authorized for [] is to be transmitted to NSA with appropriate passing instructions. All courier and electrical material authorized for [] is to be transmitted in accordance with the ASAFE- [] Direct Exchange List.

SECTION XII - MACHINE PROCESSING

1. The 6220th Security Wing will keep NSA informed on its [] Communist Operational Air machine program and available material.

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2. Any future NSA requirements will be initiated through technical channels by specific request.

3. In general, cryptanalytic IEM processing on the [redacted] [redacted] Problem at the 6920th Security Wing will be restricted to the systems assigned under the provisions of Section VI.

4. NSA will retain responsibility for machine support on long term studies and all special requirements of NSA and the 6920th Security Wing. This support includes technical advice and machine processing.

SECTION XIII - TRAFFIC FORWARDING

The 6920th Security Wing is to forward copies of all intercepted traffic to NSA in accordance with the NSA Traffic Forwarding Directive.

BY COMMAND OF LIEUTENANT GENERAL CANINE:

ALFRED R. MARCY
Colonel, US Army
Deputy Director
Production

OFFICIAL:

M T Cardinal

M. T. CARDINAL
Major WAC
Actg Asst Adj Gen

DISTRIBUTION
Special

Incl:
Appendix A

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APPENDIX A

WEEKLY TASUM FORIAT

Section I - (by case number)

A. Technical Summary

- (1) frequencies
- (2) date/time last heard
- (3) links with other nets
- (4) coded procedures and possible equations
- (5) message count by net and station
- (6) weather originator groups
- (7) callsigns for each RAD or trigraph and callsigns for nets without continuity
- (8) high-low NR's and high-low AI groups for each callsign separated by weather and flight service
- (9) pertinent comments

PL 86-36/50 USC 3605
EO 3.3(h)(2)

B. T/A Developments

Section II - (by case number)

A. Technical Summary

- (1) frequencies
- (2) ground controls
- (3) aircraft suffix blocks
- (4) D/F bearings
- (5) pertinent comments



Appendix A to NSA Operations
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PL 86-36/50 USC 3605
EO 3.3(h)(2)

APPENDIX A (Cont.)

B. T/A developments

Section III - (by case number)

A. Technical Summary

- (1) frequency changes
- (2) ground stations
- (3) ground callsigns

B. T/A Developments

Section IV - (by case number)

A. Technical Summary

- (1) frequencies
- (2) ground station C/Ss and pilot suffix blocks - dates of changes
- (3) procedure codes

B. T/A Developments

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