

~~SECRET~~

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D.C.



REPLY TO
ATTN OF:

AFOAC-S/O

SUBJECT:

Satellite to Ground Encryption

12 APR 1960

TO:

AFDRD-ER

1. The attached correspondence has been held in AFDAT without action. Confirming conversations between Major White of this office and Major Giraud, AFCIN, and between Major Giraud and Major Bensey of your office, it appears that if action is to be taken on this correspondence, it should come from your office.
2. Major Floyd, AFDAT Project Officer, is not available for consultation at this time, but he has expressed the fact that AFDAT does not want to establish a file on this subject.
3. This letter is unclassified when removed from attachments.

for *Robert W. Paulson*

ROBERT W. PAULSON
Colonel, USAF
Chief, Communications Systems Division
Directorate of Communications-Electronics

10 Atchs:

1. AF IN 50209 fm USAFSS (C)
2. AF OUT 64224 fm AFCIN-1C1 (S)
3. AF IN 15720 fm USAFSS (S)
4. AF IN 1414 fm AFBMD (U)
5. Ltr fm AFORQ-RN to AFDAT (S)
6. Ltr fm AFORQ-RN to AFCIN (S)
7. 1st Ind fm AFCIN-1C (S)
8. Ltr fm ECD to AFDRQ (S)
9. Ltr fm AFCIN-1C1 to AFORQ (S)
10. Ltr fm Sys Eng to W. Fromm (S)

~~SECRET~~

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#8

AT 7-352

CONFIDENTIAL

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION

50209 (22 Jan 60) T/R/hph

ORQ CHANGED TO DAT (Maj Floyd) (5 Feb 60)

INFO AFOAC

NO PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO CATEGORY B ENCRYPTION
PHYSICALLY REMOVE ALL INTERNAL REFERENCES BY DATE TIME GROUP PRIOR
TO DECLASSIFICATION-NO UNCLASSIFIED REFERENCE IF THE DTG IS QUOTED

DE RJWFKW

R 212304Z

FM USAFSS

TO COPS USAF

BT

~~CONFIDENTIAL~~ FROM ECD/21-1-0212.

ACTION AFDRQ. PLEASE PASS TO AFOAC-S/C FOR INFO. REFERENCE

USAFSS LETTER, SUBJECT: (C) QUALITATIVE OPERATIONAL

REQUIREMENT FOR A SATELLITE-TO-GROUND ENCRYPTING DEVICE,

DATED 10 SEPTEMBER 1959. REQUEST THIS HEADQUARTERS BE

ADVISED OF STATUS OF ABOVE REFERENCED LTR.

BT

AFOAC 0-309a

CONFIDENTIAL

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3307 ATT 3523
ATC/1

CONT MESSAGE

SECRET

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CLASSIFICATION OF REFERENCE	TO	FROM	DATE	TIME

TO: AFHQ, LOS ANGELES, CALIF. INFO: COMNAVFOR
AFHQ FT MEADE, MD. AFHQ (M. Floyd)

AFHQ (AFHQ-10) 64224

AFHQ FOR INFO, AFHQ FOR OOB. USAFSS PROVIDES CERTAIN RADAR SUPPORT FOR DISCOVERY. ASSUMING OTHER AFHQ SATELLITE PROJECTS FOR 1960 WILL RECALL SIMILAR REQUIREMENTS FOR AFHQ RADAR SUPPORT, THE FOLLOWING INFORMATION IS REQUESTED: (A) PROJECTED SCHEDULE OF SATELLITE LAUNCHES. (B) FREQUENCIES FOR MONITORING INTEREST. (C) PROJECTED ORBITS. (D) ADDRESSES FOR REPORTING AND REPORTING FREQUENCY. (E) TYPE OF DATA REQUIRED FROM RADAR. RECEIPT OF THIS INFO WILL PERMIT ADVANCE PLANNING FOR SEARCH AND REPORTING PROCEDURES, PREPARING NECESSARY DIRECTIVES AND ESTIMATING ACTUAL SUPPORT AFHQ CAN PROVIDE.

[Handwritten signature]

SPECIAL INSTRUCTIONS

INT DISTRIBUTION

AC - PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO CATEGORY B ENCRYPTION - PHYSICALLY REMOVE ALL INTERNAL REFERENCES BY DATE-TIME GROUP PRIOR TO DECLASSIFICATION - NO UNCLASSIFIED REFERENCE IF THE DATE-TIME GROUP IS QUOTED

DATE	TIME
JAN 60	
MONTH	YEAR

5129

SYMBOL	
AFHQ-101	
TYPED NAME AND TITLE (Signature, if required)	
GILBERT L. BRANDON, CAPT, USAF/MAJ	
PHONE	PAGE NO.
	2
SECURITY CLASSIFICATION	NOL. OF PAGES
SECRET	3
COY 2 OF 3 CTS	

SIGNATURE	DATE
<i>[Handwritten signature]</i>	JAN 60
TYPED (or stamped) NAME AND TITLE	
Col, USAF	
Director of Collection	
AFHQ/MAJ	

INCOMING

ACTION: DAT
INFO : CIN, CGM
SMD A 061

HQD0*6ZCQJB167

PP [REDACTED]
DE [REDACTED]

P 302326Z

FM AFEMD LOSA CALIF

TO COFS HQUSAF

BT

UNCLAS FROM [REDACTED] 11-6-E FOR AFDAT AND AFCIN BASED ON THE VICE CHIEF OF STAFF LETTER CMM DATED 5 AUG 59 CMM SUBJECT CLN ASSIGNMENT OF OPERATIONAL PLANNING RESPONSIBILITY WE HAVE DETERMINED THAT CMM WITH THE FOLLOWING EXCEPTIONS CMM ALL SAMOS INFORMATION IS SECRET. THESE EXCEPTIONS CMM WHICH WOULD CONTINUE TO BE TOP SECRET ARE /1/ SPECIFIC DATE OF LAUNCH/SPECIFIC PAYLOAD CONFIGURATION AND MISSION ASSIGNMENT CMM WHEN IDENTIFIED TOGETHER /2/ RESULTS AND EFFECTIVENESS OF RECONNAISSANCE SATELLITE DATA WHEN PROCESSED AND REDUCED TO USEABLE FORMAT. REQUEST CONFORMATION OR CORRECTION TO THIS INTERPRETATION

BT

01/0042Z DEC [REDACTED]

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Atch 4
ATD-352

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D.C.



REPLY TO
ATTN OF:

AFORQ-RN

OCT 23 1959

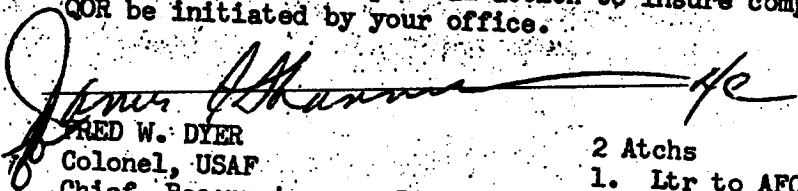
SUBJECT:

(U) SAMOS

TO:

AFDAT

1. References:
 - a. GOR 80-2, paragraph K.l.a.
 - b. QOR for Satellite-to-Ground Encrypting Device, USAFSS, dtd 11 Sep 59, with indorsement by AFCIN, dtd 16 Oct 59. (Atch #1)
 - c. Letter from AFCIN, Encryption Device for SAMOS, dtd 16 Oct 59, with attachment. (Atch #2)
2. The requirement for secure transmission of data from the electromagnetic version of SAMOS is concurred in by this office and was included in paragraph K.l.a. of GOR 80-2 on 26 Sep 58.
3. Since the GOR already states the basic requirement covered by USAFSS in their QOR, no amendment to the GOR is deemed necessary.
4. Recommend developmental action to insure compliance with the QOR be initiated by your office.


FRED W. DYER
Colonel, USAF
Chief, Reconnaissance Division
D/Operational Requirements

2 Atchs

1. Ltr to AFCIN, 17 Sep 59, QOR for a Satellite-to-Ground Encrypting Device, and 1st Ind fr AFCIN, 16 Oct 59, same subj (SS: 8271) Orig & 1 cc, 1 pg ea; w/USAFSS Ltr, 11 Sep 59, same subj, Orig & 1 cc, 2 pgs ea (SS: 7172)
2. Ltr fr AFCIN-1C1, 16 Oct 59, Encryption Device for SAMOS, Orig & 1 cc, 1 pg ea; w/Memo dtd 14 Oct 59, Orig & 1 cc, 3 pgs ea (SS: 8272)

Copy to: AFCIN-1C

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3310 HTD-352

Atch 5

SECRET

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D.C.



REPLY TO
ATTN OF: AFORQ-RN

SEP 17 1959

SUBJECT: (C) Qualitative Operational Requirement for a Satellite-to-Ground Encrypting Device

TO: AFCIN

Request your comments on the attached letter per routing by originator.

James A. Shannon

JAMES A. SHANNON
Lt Col, USAF
Deputy Chief, Reconnaissance Group
D/of Operational Requirements

1 Atch
USAFSS Ltr, dtd 11 Sep 59,
subj as abv, Orig & 2 cc,
2 pgs (S)

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SECRET

Atch 6

915 417-5190

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Ltr, AFMOC-3/O, Subject: (U) Satellite to Ground Encryption

JUL 14 1960

Ltr Ind (AFIRT-ER)

TO: AFORQ-RN



Cloyd H. Drey
CLOYD H. DREY, Colonel, USAF
Directorate of Research & Technology

10 Atchs
n/c

*Any further correspondence on
this matter should be addressed to AFDSD.*
CHD

RN
SS 5751

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classified enclosures

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Doc-7-298

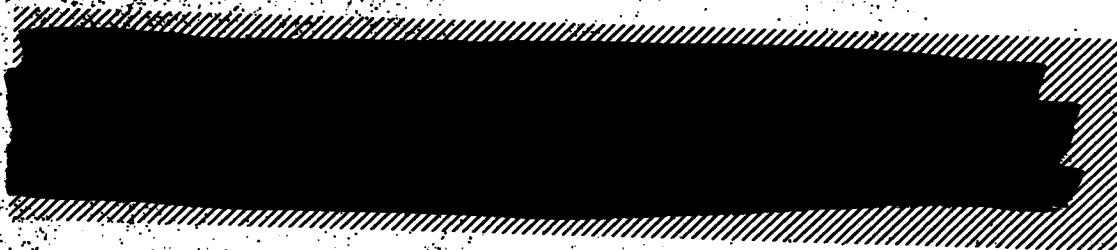
~~SECRET~~

Ltr, AFOAC-S/O, Subject: (U) Satellite to Ground Encryption

1st Ind (AFIRT-ER)

001 14 1960

TO: AFORQ-RH



CLOYD H. DEREY, Colonel, USAF
Directorate of Research & Technology

10 Atns
n/c

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AT 7-352

SECRET

AFORQ-RN ltr dtd 17 Sep 59, subj: (C) Qualitative Operational Requirement for a Satellite-to-Ground Encrypting Device.

1st Lt (AFCIN-1C)

Headquarters USAF, Washington 25, D.C.

1 6 OCT 1959

TO: AFORQ-RN

[REDACTED]

Harold Watson

HAROLD E. WATSON
MAJOR GENERAL, USAF
DEPUTY ASSISTANT CHIEF OF STAFF,
INTELLIGENCE

1 Atch
n/c except 1 cy w/d

RN
SS 8271

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CIN 1235

SECRET

Atch 7

AJ 7-352

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R-0-1888-3

BT-J-1-331

[REDACTED]

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AT 7-352 Atch 10

~~SECRET~~

[REDACTED]

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