

file K.3.c.

~~TOP SECRET~~
~~EARPOP~~ []
NO FOREIGN DISSEM



25X1

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy
BYE-1212-74
SORS 11./64
28 January 1974

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

MEMORANDUM FOR: MEMBERS, SIGINT OVERHEAD RECONNAISSANCE
SUBCOMMITTEE

SUBJECT: Mission Description of TOP HAT 2, SIGINT
Mission 7340

1. The National Reconnaissance Office (NRO) has provided the attached mission description of TOP HAT 2, SIGINT Mission 7340. This description may be detached from this cover letter and handled within the TALENT-KEYHOLE Control System. Distribution for DOD elements, other than SORS member agencies, will be made by DIA.

2. TOP HAT 2 is an intercept/data acquisition satellite system primarily designed to collect tropospheric-scatter communications signals operating in the 450-1000 MHz frequency range. It is similar in design and operation to TOP HAT 1 (Mission 7334) with the added capability to collect and locate the [] signal. TOP HAT 2 is scheduled for launch from the Western Test Range in March 1974. Mission life is expected to be 12 months.

25X1

3. The NRO has requested that mission guidance for TOP HAT 2 be provided as soon as possible so that final software development may be completed. The NRO requests that the mission guidance contain the relative priorities of tropo-scatter communications and [] collection and that the target areas, target activity periods and frequencies be specified.

25X1

Classified by BYEMAN 1
Exempt from General Declassification
Schedule of E.O. 11652, Exemption
Category: 5B2. Automatically Declassi-
fied On: Impossible to Determine

WARNING NOTICE
Sensitive Intelligence Sources and Methods
Involved

-1-
NO FOREIGN DISSEM
~~EARPOP~~ []
~~TOP SECRET~~

25X1

~~TOP SECRET~~
~~EARPOP~~ [redacted]
NO FOREIGN DISSEM

25X1

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

BYE-1212-74

4. Mission guidance for TOP HAT 2 should be developed no later than the 6 February SORS Meeting.

[redacted signature box]

25X1

EXECUTIVE SECRETARY

Attachment:
TCS-37596-73, Cy

-2-

NO FOREIGN DISSEM
~~EARPOP~~ [redacted]
~~TOP SECRET~~

25X1

~~TOP SECRET UMBRA RUFF ZART~~
NO FOREIGN DISSEM

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE

SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

HANDLE VIA TALENT-KEYHOLE/
COMINT CHANNELS JOINTLY

Copy 17
TCS-35819-76
SORS 10./18877
27 February 1976

MEMORANDUM FOR: DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL SECURITY AGENCY

SUBJECT: Special Mission Guidance for SIGINT Mission 7340

The SORS recommends the following special mission guidance for SIGINT Mission 7340:

1. Request maximum collection (tasking at every opportunity) against selected targets and target areas to be provided by the NSA. This tasking should be initiated immediately and continue to 1 April 1976.
2. The NSA is requested to provide desired frequency coverage, targets and target areas to the NRO for this special collection effort.
3. The above recommended collection should be considered Priority 1 for Mission 7340 collection during the period specified.

[Redacted Signature Box]

EXECUTIVE SECRETARY

25X1

WARNING NOTICE

Sensitive Intelligence Sources and Methods Involved

Classified by TKH-1
Exempt from General Declassification Schedule of E.O. 11652, Exemption Category: 5B2. Automatically Declassified On: Impossible to Determine

NO FOREIGN DISSEM

~~TOP SECRET UMBRA RUFF ZART~~

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT NO FOREIGN DISSEM

Memorandum

Serial: V3/SFO 075-76

TO : Chairman and Members, SORS

DATE: 4 October 1976

FROM : NSA Member, SORS

SUBJECT: Revised Mission Guidance for SIGINT Mission 7340

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following mission guidance for Mission 7340. Recommended collection is divided into three categories: targets of opportunity/special events, routine search/mapping/sampling and aperiodic surveys.

I. The two modes for tasking Mission 7340 are the fine-tuned receiver (FTR) and general or non-FTR tasking.

A. FTR--Mission 7340 will be operated in the fine-tuned receiver mode (FSK-C) when a combination of factors indicate a reasonable probability of unique, processable intercept.

B. General (or Non-FTR)--The general payload mode will be FDM and FSK standard/adaptive (FSKA/B).

II. Collection should be accomplished in the following priority order:

A. Targets of opportunity/special events

1. The search, for and the geolocation and sampling (as required) of [redacted]

[redacted] Based on satellite conjunction data and other information, NSA will provide a listing of collection opportunities to the NRO in sufficient time to allow appropriate tasking of Mission 7340.

2. The mapping/sampling of communications emitters associated with exercises, contingencies or military deployment situations on a time critical reporting (TCR) basis.

B. The routine search for new and unusual signals, and the geolocation and sampling of known target emitters.

C. The aperiodic, intensive survey of selected target emitters or areas as recommended by the SORS.

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

25X1
25X1
25X1

25X1

Page Denied

NO FOREIGN DISSEM



F. Routine Search of new and/or unusual signals

NOTE: Based on system limitations (tape recorder usage, etc.) tasking may be optimized by latitude Bands. i.e., USSR [redacted] with appropriate periodic changes.

IV. Time Critical Data

1 A. Time Critical data needs may necessitate rapid redirection of Mission 7340 to provide temporary emphasis on particular target areas and/or signals. The NRO and NSA will make temporary adjustments in collection and processing priorities to acquire, process and report time critical data based on direct requests from any SORS Members in accordance with the following criteria:

1. The purpose of the request must be consistent with this mission guidance.
2. The target emitters for desired coverage must be selected from those contained in this mission guidance.
3. Collection shall be requested for no more than 14 days.
4. The initiator of the special request must give rationale and specify desired processing and reporting procedures.

B. The NRO will notify all SORS Members by message within 24 hours of the implementation of the time critical mission guidance and will provide the following information;

1. The requestor and the rationale for the request for time critical mission guidance.
2. The target areas and emitters for which coverage is desired.
3. Requested processing/reporting procedures.
4. Impact on existing operations.

C. The SORS will subsequently review and provide temporary collection guidance as appropriate.



[REDACTED]

NO FOREIGN DISSEM

V. Processing and Reporting

A. Routine processing and reporting of collected data should be accomplished to maintain data base requirements.

B. In times of crisis, hostilities or other time critical situations, processing and reporting of [REDACTED] and other data will be required within 6 hours for specified areas and emitters.

C. The SORS requests that it be kept fully informed by the NRO/NSA of the operational status and intercept success, including FTR tasking, of Mission 7340 on a fortnightly basis.

[REDACTED]

~~TOP SECRET UMBRA BITE ZART~~

NO FOREIGN DISSEM

25X1

HANDLE VIA TALENI KEYHOLE/
COMINT CHANNELS JOINTLY

Copy *SIC K3E*
TCS 2366-74
SORS 10, 188/1
15 February 1974
LIMITED DISTRIBUTION

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

MEMORANDUM FOR: DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL SECURITY AGENCY

SUBJECT: Mission Guidance for SIGINT Mission 7340

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following mission guidance for Mission 7340. Recommended collection is divided into three categories: targets of opportunity/special events routine search/mapping/sampling and aperiodic surveys.

I. The two modes for tasking Mission 7340 are the fine-tuned receiver (FTR) and general or non-FTR tasking.

A. FTR- Mission 7340 will be operated in the fine-tuned receiver mode (FSK C) when a combination of factors indicate a reasonable probability of unique, processable intercept.

B. General (or Non FTR)- The general payload mode will be FDM and FSK standard/adaptive (FSKA/B).

II. Collection should be accomplished in the following priority order:

A. Targets of opportunity/special events

Classified by EKF 1
Exempt from General Declassification
Schedule of E.O. 11652 Exemption
Category: 5B2, Automatically Declassi-
fied On: Impossible to Determine

WARNING NOTICE
Sensitive Intelligence
Sources and Methods
Involved

NO FOREIGN DISSEM

~~TOP SECRET UMBRA BITE ZART~~

25X1

~~TOP SECRET UMBRA RUFF ZARF~~

NO FOREIGN DISSEM

25X1

HANDLE VIA TALENT-KEYHOLE/
COMINT CHANNELS JOINTLY

TCS-2366-74

1. The search for, and the geolocation and sampling (as required) of [] emitters, Soviet Rocket Forces (SRF) [] uplinks and other satellite-related uplinks. Based on satellite conjunction data and other information, NSA will provide a listing of collection opportunities to the NRO in sufficient time to allow appropriate tasking of Mission 7340.

25X1

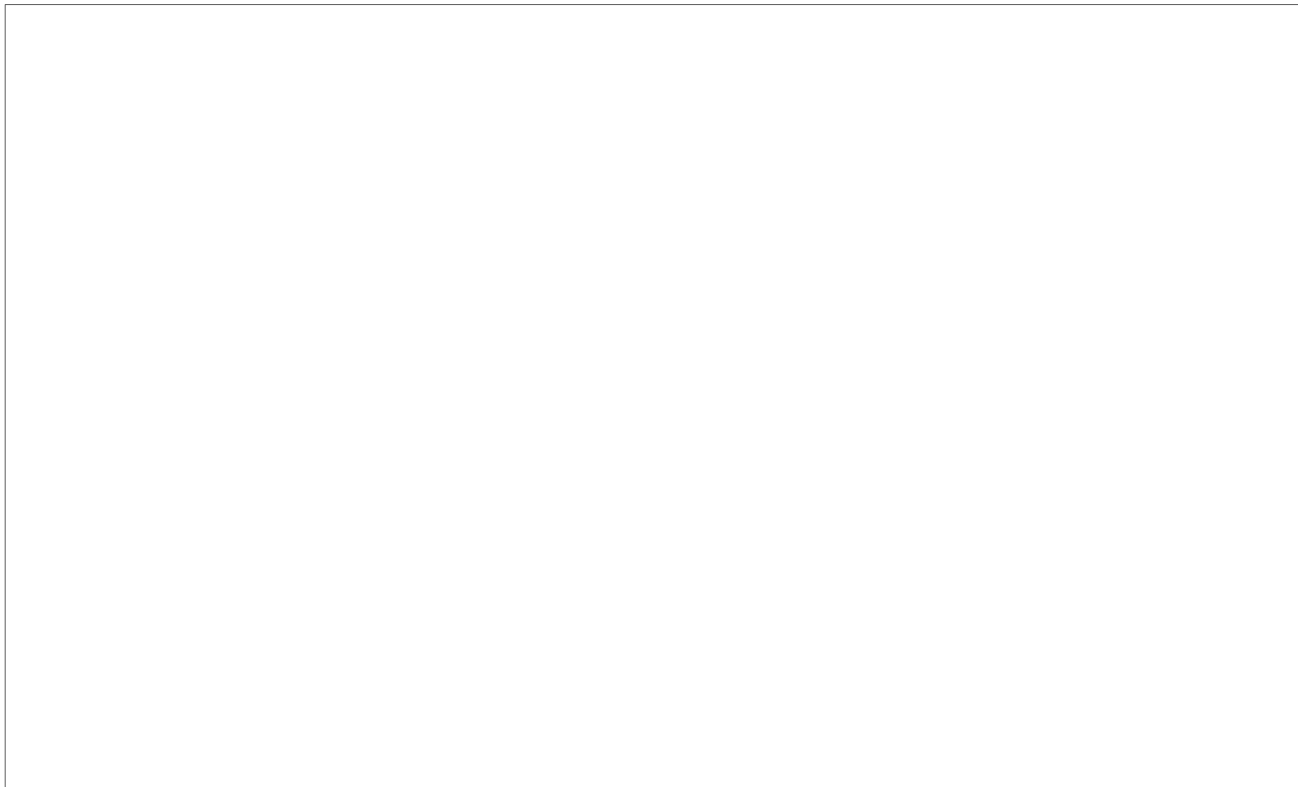
25X1

2. The mapping/sampling of communications emitters associated with exercises, contingencies or military deployment situations on a time critical reporting (TCR) basis.

B. The routine search for, and the geolocation and sampling of target emitters for data base maintenance.

C. The aperiodic, intensive survey of selected target emitters or areas as recommended by the SORS.

25X1



. 2 -

NO FOREIGN DISSEM

~~TOP SECRET UMBRA RUFF ZARF~~

25X1

Page Denied

~~TOP SECRET UMBRA RUFF ZART~~

25X1

NO FOREIGN DISSEM

HANDLE VIA TALENT-KEYHOLE/
COMINT CHANNELS JOINTLY

TCS-2366-74

IV. Time Critical Data

A. Time critical data needs may necessitate rapid redirection of Mission 7340 to provide temporary emphasis on particular target areas and/or signals. The NRO and NSA will make adjustments in collection and processing priorities to acquire, process and report time critical data based on direct requests from any SORS Members in accordance with the following criteria:

1. The purpose of the request must be consistent with this mission guidance.
2. The target emitters for desired coverage must be selected from those contained in this mission guidance.
3. Collection shall be requested for no more than 14 days.
4. The initiator of the special request must give rationale and specify desired processing and reporting procedures.

B. The NRO will notify all SORS Members by message within 24 hours of the implementation of the time critical mission guidance and will provide the following information:

1. The requestor and the rationale for the request for time critical mission guidance.
2. The target areas and emitters for which coverage is desired.
3. Requested processing/reporting procedures.
4. Impact on existing operations.

C. The SORS will subsequently review this matter and will provide appropriate mission guidance.

V. Processing and Reporting

A. The location of all [] emitters should be reported within 24 hours after intercept. Additional specific details

25X1

mobile data
emitter may be requested within 6 hrs

-4-
NO FOREIGN DISSEM []

25X1

25X1

~~TOP SECRET UMBRA RUFF ZART~~

~~TOP SECRET UMBRA RUFF ZART~~

NO FOREIGN DISSEM

25X1

HANDLE VIA TALENT KEYHOLE/
COMINT CHANNELS JOINTLY

TCS 2366 74

to be reported from [] intercept data will be provided by the SORS as supplementary processing guidance.

25X1

B. Routine processing and reporting of collected data should be accomplished to maintain data base requirements.

C. In times of crisis, hostilities or other time critical situations, processing and reporting will be required within 6 hours for specified areas and emitters.

D. The SORS requests that it be kept fully informed by the NRO of the operational status and intercept success, including FTR tasking, of Mission 7340 on a fortnightly basis.

E. The SORS requests that NSA product reporting of data from this mission be readily identifiable as having originated from Mission 7340 intercept data.

[]

25X1

EXECUTIVE SECRETARY

-5-

NO FOREIGN DISSEM

~~TOP SECRET UMBRA RUFF ZART~~

25X1

~~TOP SECRET UMBRA RUII ZART~~

~~TARPOI~~

NO FOREIGN DISSEM



UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE

SOC CONTROLLED

SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

HANDLE VIA BYEMAN/TALENT
REF/OLE/COMINT CHANNELS JOINTLY

Copy 17
BYE 10738775
SORS 10.7188/5
25 September 1975

MEMORANDUM FOR: DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL SECURITY OFFICE

SUBJECT: Special Mission Guidance for TOP HAT 2, Mission 7340

1. The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends special collection by TOP HAT 2, Mission 7340, for an indefinite period and on a not to interfere basis against the area

25X1

2. Targets for this collection are possible Soviet ground

25X1



3. A concurrent purpose of this collection is to acquire data to resolve ambiguities in data processing for location estimates which have arisen during low angle collection

25X1



EXECUTIVE SECRETARY

Classified by BYE-1
Exempt from General Declassification
Schedule of E.O. 11652, Exemption
Category: 5B2. Automatically Declassified On: Impossible to Determine

WARNING NOTICE
Sensitive Intelligence Sources and Methods Involved

NO FOREIGN DISSEM

~~TARPOI~~

~~TOP SECRET UMBRA RUII ZART~~