

~~TOP SECRET~~
~~EARPOP/RUFF/ZARF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1407-70
SORS 10./109/1
4 June 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Mission Guidance for SIGINT Satellite Missions
7332/7333, TRIPOS IV/SOUSEA III

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE has approved the following collection and processing guidance for Missions 7332/7333, TRIPOS IV/SOUSEA III, which recommends that:

1. Collection efforts should emphasize search and location of electronic emitters within the full frequency bands of the payloads during local daylight hours. Emphasis should be placed on coverage of the following geographical areas:

GROUP I - The USSR [redacted] and Communist Chinese missile sites.

25X1

GROUP II - The USSR and China [redacted] North Korea and Southeast Asia including Vietnam, Laos and Cambodia.

25X1

2. Initial coverage should be made on a collection ratio of 1:1 between Group I and Group II targets.

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GROUP 1
Excluded from automatic
downgrading and
declassification

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~~EARDOP/RUFF/ZARE~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

BYE-1407-70

3. Except for once each thirty days, intercept data recording may be omitted from the Central Siberian region



25X1

4. For the period of the first thirty days of full data collection, the CW option should be utilized on every local daylight pass when the missions are in view of any



listed in the attachment on an equal parity basis:

25X1

25X1

- Band I (4000-5000, 8000-9000 MHz)
- Band II (5000-6000, 9000-10,000 MHz)
- Band III (6000-7000, 10,000-11,000 MHz)
- Band IV (7000-8000, 11,000-12,000 MHz)

5. Processing of data collected shall generally be in consonance with the recommended collection; however, emphasis in processing and reporting should be placed on signals known or suspected to be associated with Soviet/CHICOM missile activities. This emphasis does not exclude processing and reporting of other signals of interest, including EOB reporting.



50X1

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

Attachment:
a/s

~~EARDOP/RUFF/ZARE~~
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~~EARPOP/RUFF/ZART~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1429-70
SORS 10./109/4
21 August 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III, Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following revised Mission Guidance for TRIPOS IV/
SOUSEA III, Missions 7332/7333:

1. Collection should be made when the missions are
within line of sight of the area bounded by [redacted]
[redacted] on all orbits, both day and night, against the
following targets:

[redacted] - Target Tracker

RF: 8800-9300 MHz
PRF: 1780-1800 pps
PW: 0.2-0.4 Msec
Scan Rate: 24-26 CPS

[redacted] - C-Band Target Tracker

RF: 4900-5150 MHz
PRF: 950-2000 pps

2. Processing of data should emphasize emitter loca-
tion, scan characteristics and technical intelligence.
Processing should be accomplished within 24 hours after
intercept, if possible, and data should be reported
expeditiously.

~~EARPOP/RUFF/ZART~~
~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

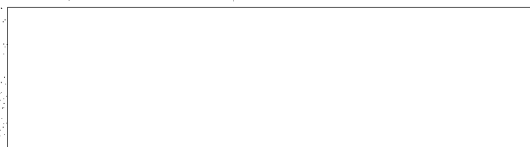
25X1
25X1
25X1
25X1

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~~EARPOP/RUFF/ZART~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

BYE-1429-70

3. This guidance should remain in effect for a minimum of ninety days or until further SORS recommendations.



50X1

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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

-2-

~~EARPOP/RUFF/ZART~~
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~~EARPOP/RUFF/ZARF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1433-70
SORS 10./109/5
8 September 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

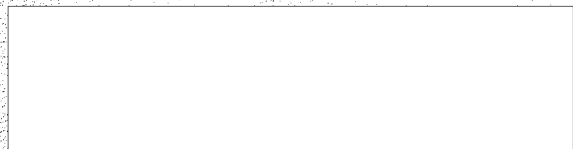
SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: BYE-1429-70, SORS 10./109/4, 21 August 1970,
subject as above

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following change in paragraph 2 of the reference:

Processing of data should emphasize emitter loca-
tion, scan characteristics and technical intelligence.
Processing should be accomplished within 72 hours after
intercept, if possible, and data should be reported
expeditiously thereafter.

All other recommendations in the reference remain valid.



50X1

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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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GROUP 1
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~~ZARF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17 *k-5-b*
BYE-1439-70
SORS 10./109/6
14 September 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS IV/SOUSEA III - Missions 7332/7333:

1. Upon specific advice from the SORS to implement this mission guidance, request that collection be conducted against the area bounded by [redacted] all orbits, both day and night, for a period of ten days. Determination of emitter location and operational activity are desired.

25X1

2. Processing and reporting of intercepted data should be accomplished within 24 hours after intercept.

3. This special mission guidance is provided as part of an effort to provide maximum ELINT coverage of a Warsaw Pact Combined Exercise in the Baltic area. Implementation of this mission guidance will test the responsiveness of NRP resources to the requirements for such coverage.

50X1

[Redacted Signature Box]

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~ZARF~~

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~~EARPOP~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy 18
BYE-1440-70
SORS 10./109/7
14 September 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Supplemental Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/1, BYE-1407-70, 4 June 1970,
Subject: Mission Guidance for SIGINT
Satellite Missions 7332/7333, TRIPOS IV/
SOUSEA III

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following supplemental mission guidance for TRIPOS
IV/SOUSEA III - Missions 7332/7333:

1. For a period of thirty days the CW option should be
utilized on every local daylight pass when the missions are
in view of any [redacted] listed in the reference
according to the following ratio:

25X1

<u>RF Band</u>	<u>Relative Frequency of Tasking</u>
I (4000-5000, 8000-9000 MHz)	1
II (5000-6000, 9000-10,000 MHz)	3
III (6000-7000, 10,000-11,000 MHz)	1
IV (7000-8000, 11,000-12,000 MHz)	1

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declassification

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~~EARPOP~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

BYE-1440-70

2. Processing and reporting of CW intercepts in the 9000-10,000 MHz frequency range should be accomplished expeditiously to provide the basis for further appropriate mission guidance pertaining to the use of the CW option.

3. Previous mission guidance remains valid.



50X1

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

-2-

~~EARPOP~~
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~~ZART~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1443-70
SORS 10./109/8
18 September 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS IV/SOUSEA III - Missions 7332/7333:

1. Upon specific advice from the SORS to implement this mission guidance, request that collection be conducted against the area bounded by [redacted]

[redacted] on all orbits, both day and night, for a period of approximately 15 days. Determination of emitter location and operational activity are desired. At this time, it is anticipated that collection efforts should be implemented during the period 25 September 1970 through 15 October 1970. The SORS will, however, on the basis of collateral information, advise a specific date for the initiation of the collection effort.

2. Processing and reporting of intercepted data should be accomplished within 24 hours after intercept.

3. This special mission guidance is provided as part of an effort to provide maximum ELINT coverage of a Warsaw Pact Combined Exercise in East Germany.

[redacted signature box]

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

~~ZART~~
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25X1
25X1

50X1

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~~ZARF~~

WADP
K56

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1461-70
SORS 10./109/10
8 October 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

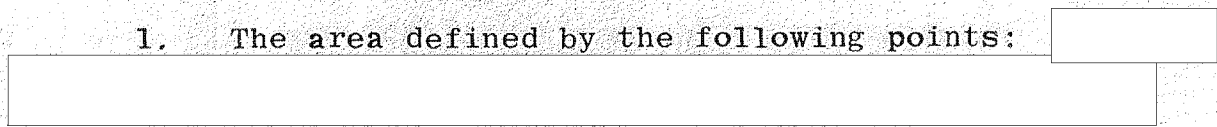
MEMORANDUM FOR: THE DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
THE DIRECTOR, NATIONAL SECURITY AGENCY

SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/8, BYE-1443-70, dated 18
September 1970, Subject: Special Mission
Guidance for TRIPOS IV/SOUSEA III -
Missions 7332/7333

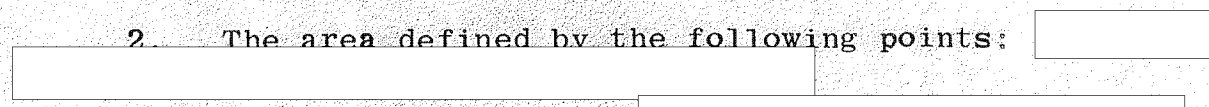
The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends that the collection operations requested in the reference be expanded to cover the following areas through 18 October 1970 as part of an effort to provide maximum ELINT coverage of a Warsaw Pact Combined Exercise:

1. The area defined by the following points:

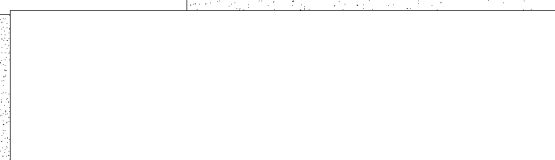


25X1
25X1

2. The area defined by the following points:



25X1
25X1



50X1

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~ZARF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 18
BYE-1475-70
SORS 10./109/11
20 November 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/4, BYE-1429-70, dated 21 August
1970, Subject: Revised Mission Guidance
for TRIPOS IV/SOUSEA III - Missions 7332/
7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333:

1. Request that the collection specified in the refer-
ence (against target trackers in the
Middle East) should be continued for an additional 60 days.

2. Processing of data should emphasize emitter loca-
tion, scan characteristics and technical intelligence.
Processing and reporting of data should be accomplished
within 72 hours of intercept.

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

25X1

50X1

~~ZARF~~
~~TOP SECRET~~

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copy
KTB

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 18
BYE-1476-70
SORS 10./109/12
23 November 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recommends the following revised collection and processing guidance for TRIPOS IV/SOUSEA III - Missions 7332/7333.

1. Collection efforts should emphasize search and location of electronic emitters within the full frequency bands of the payloads during both local day and night hours. Collection is requested against the following geographical areas at the following relative frequency of tasking:

Target Areas	Relative Frequency of Tasking	
I. The USSR [redacted] longitude and CHICOM missile complexes	3	25X1
II. The USSR [redacted], Communist China and North Korea	2	25X1 25X1
III. The Middle East (area bounded by [redacted])	2	25X1 25X1

~~BARPOP/RUFF/ZART~~
~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

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KEYHOLE/COMINT CHANNELS JOINTLY

BYE-1476-70

<u>Target Areas</u>	<u>Relative Frequency of Tasking</u>	
IV. Southeast Asia, including North Vietnam and Laos (area bounded by [redacted])	1	25X1 25X1
2. Collection should be made once each 30 days against the [redacted]		25X1 25X1
3. The CW option should be utilized on each local target daylight pass when the missions are in view of any [redacted] on an equal parity basis.		25X1 25X1
4. Processing of data shall generally be in consonance with recommended collection priorities; however, emphasis on processing and reporting should be placed on signals known or suspected to be associated with Soviet/CHICOM missile activities. Reporting of data collected from Target Areas III (Middle East) and IV (North Vietnam and Laos) shall be accomplished within 72 hours of intercept if possible. Processing and reporting of data collected from Target Area III should emphasize the [redacted] Band and [redacted] target trackers. The [redacted] C Band target tracker should be emphasized in processing and reporting from Target Area IV (North Vietnam and Laos).		25X1
5. This Mission Guidance for TRIPOS IV/SOUSEA III supersedes all previous SORS guidance for these missions; however, the list of long-range SAM complexes in the USSR attached to SORS 10./109/1, BYE-1407-70, dated 4 June 1970, remains current.		50X1



EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~EARPOP/RUFF/ZARP~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 17
BYE-1485-70
SORS 10./109/13
18 December 1970

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS IV/ SOUSEA
III - Missions 7332/7333

REFERENCE: SORS 10./109/12, BYE-1476-70, dated 23
November 1970, Subject: Revised Mission Guid-
ance for TRIPOS IV/SOUSEA III - Missions 7332/
7333

1. The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following change to paragraph 3 of the reference:

For a period of 30 days, beginning as soon as pos-
sible, use the CW option in Band 1 only (4,000-5,000
MHz and 8,000-9,000 MHz) on every collection pass,
as feasible, when the missions are in view of any



25X1

2. The other collection and processing recommendations
contained in the reference remain valid.



50X1

GUIDANCE RECEIVED
23 1130 EST
IMPLEMENTED
23 1900 EST
ACE

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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~RUFF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy 16
BYE-1381-71
SORS 10./109/16
1 February 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/12, BYE-1476-70, dated 23
November 1970, Subject: Revised Mission
Guidance for TRIPOS IV/SOUSEA III - Mis-
sions 7332/7333

1. The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recommends that collection operations requested in the reference relating to Middle East target area coverage be expanded to encompass the geographic area bounded by:

The area defined by the following points:



25X1
25X1

2. Other existing mission guidance for TRIPOS IV/SOUSEA III remains in effect.

CHARLES W. COOK
CHAIRMAN

SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

~~RUFF~~
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downgrading and
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~~RUFF~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy 16
BYE-1382-71
SORS 10./109/17
1 February 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/13, BYE-1485-70, dated 18
December 1970, Subject: Special Mission
Guidance for TRIPOS IV/SOUSEA III -
Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends that the Mission Guidance for TRIPOS IV/SOUSEA III
requested in the reference for collection and processing of
CW signals when the missions are in view of any [redacted]
[redacted] be extended to 1 March 1971.

25X1
25X1

Charles W. Cook

CHARLES W. COOK
CHAIRMAN
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~RUFF~~

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BYE-1397-71
SORS 10./109/19
19 February 1971

UNITED STATES INTELLIGENCE BOARD

SIGINT COMMITTEE

SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

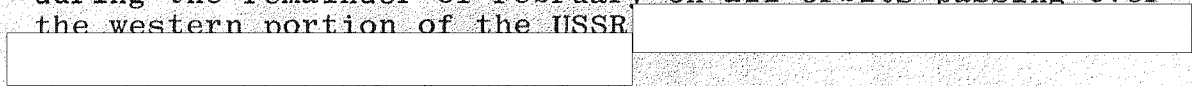
MEMORANDUM FOR: THE DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
THE DIRECTOR, NATIONAL SECURITY AGENCY

SUBJECT: Special Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333

REFERENCES: SORS 10./109/13, BYE-1485-70, dated 18
December 1970, Subject: Special Mission
Guidance for TRIPOS IV/SOUSEA III - Mis-
sions 7332/7333
SORS 10./109/17, BYE-1382-71, dated 1
February 1971, Subject: Special Mission
Guidance for TRIPOS IV/SOUSEA III - Mis-
sions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recom-
mends the following Special Mission Guidance for TRIPOS IV/
SOUSEA III - Missions 7332/7333:

1. Request that the SOUSEA III payload be turned off
during the remainder of February on all orbits passing over
the western portion of the USSR



2. The remaining portions of the references remain
valid.

Charles W. Cook

CHARLES W. COOK
CHAIRMAN

SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

25X1
25X1

~~EARPOP~~
~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

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~~EARPOP/RUFF/ZARF~~

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KEYHOLE/COMINT CHANNELS JOINTLY

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BYE-1399-71
SORS 10./109/20
19 February 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS IV/SOUSEA
III - Missions 7332/7333

REFERENCE: SORS 10./109/12, BYE-1476-70, dated 23
November 1970, Subject: Revised Mission
Guidance for TRIPOS IV/SOUSEA III -
Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recommends
the following revised Mission Guidance for TRIPOS IV/SOUSEA
III - Missions 7332/7333.

1. Target Area IV of the reference is expanded to
include all of North Vietnam, all of Laos, all of Cam-
bodia, Hainan Island, that part of Communist China
lying south of [redacted] and adjacent
water areas.

25X1

2. Processing and reporting of data on all emitters
intercepted from Target Area IV, as redefined above,
should be accomplished as expeditiously as possible, with
a goal of 72 hours after intercept.

3. This revised Mission Guidance shall remain in
effect until 20 March 1971. The remainder of the reference
remains valid.

CHARLES W. COOK
CHAIRMAN
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

~~EARPOP/RUFF/ZARF~~
~~TOP SECRET~~

GROUP 1
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downgrading and
declassification

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~~EARPOP~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy
BYE-1405-71
SORS 10./109/21
2 March 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Continuance of Special Mission Guidance for
TRIPOS IV/SOUSEA III - Missions 7332/7333

REFERENCE: SORS 10./109/19, BYE-1397-71, dated 19
February 1971, Subject: Special Mission
Guidance for TRIPOS IV/SOUSEA III -
Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recommends
that the guidance requested in the reference be continued until
31 March 1971, i.e. turn off SOUSEA III - Mission 7333, over
the USSR between [redacted]

25X1

[redacted signature box]

50X1

EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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GROUP 1
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downgrading and
declassification

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HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy
BYE-1453-71
SORS 10./109/26
16 April 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Revised Mission Guidance for TRIPOS 4/
SOUSEA 3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE recommends the following revised collection and processing guidance for TRIPOS 4/SOUSEA 3 - Missions 7332/7333.

1. Collection efforts should emphasize search and location of electronic emitters within the full frequency bands of the payloads during both local day and night hours as practicable. Collection is requested against the following geographical areas according to designated relative frequency of tasking:

<u>Target Areas</u>	<u>Relative Frequency of Tasking</u>	
I. The USSR West of [redacted] longitude and CHICOM missile complexes	3	25X1
II. The Middle East (area bounded by [redacted])	3	25X1
III. North Korea	2	
IV. The USSR East of [redacted] Communist China (not covered in Target Area I) and South east Asia within the area bounded by [redacted]	1	25X1 25X1

~~BARPOD/RUFF/ZARF~~
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~~EARPOP/RUFF/ZARP~~

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

BYE-1453-71

2. Collection should be made once each thirty days against the central Siberian region whose approximate corner points are

25X1

3. *Para 3 superseded by BYE-1570-71, SORS 10./109/42*
~~The CW option of Band 1 (4,000-5,000 MHz and 8,000-9,000 MHz) only should be utilized on each local target daylight pass when the missions are in view of the Leningrad area~~

25X1

4. Processing of data should generally be in consonance with recommended collection priorities; however, emphasis on processing and reporting should be placed on signals known or suspected to be associated with Soviet/CHICOM missile activities. Reporting of data collected from Target Areas II and IV should be accomplished within 72 hours of intercept if possible. Processing and reporting of data collected from Target Area II should emphasize threat associated radars.
C Band target tracker radars should be emphasized in processing and reporting from Target Areas III and IV.

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5. This Mission Guidance for TRIPOS 4/SOUSEA 3 supersedes all previous SORS guidance for these missions.

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EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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~~16 Feb~~
k.s.a

HANDLE VIA BYEMAN/TALENT-
KEYHOLE/COMINT CHANNELS JOINTLY

Copy 16
BYE-1478-71
SORS 10./109/29
10 June 1971

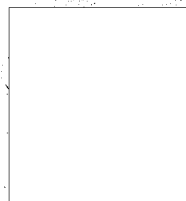
UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS 4/SOUSEA
3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS 4/SOUSEA 3, Missions 7332/7333:

1. Request that maximum ELINT collection be conducted on all orbits against a Soviet multi-force exercise within the following area:



2. It is desired that processing and reporting of intercepted data should be accomplished within six hours after intercept or as soon thereafter as practicable.

3. A list of target emitters for collection, processing and reporting is contained in the attachment.

4. It is requested that reports be forwarded to DIA, EEIC and EUCOM.

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BYE-1478-71

5. This mission guidance should be implemented as soon as practicable for a period of 20 days.

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EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

Attachment:
a/s

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HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy ¹⁶
BYE-1488-71
SORS 10./109/31
1 July 1971

~~16~~
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UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS 4/SOUSEA 3
Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends that the following mission guidance be implemented to acquire ocean surveillance data from a Soviet Naval Exercise in the Norwegian/Barents Seas area. This mission guidance should be implemented as soon as practicable and should continue until 15 July or until information is furnished by the SORS that this Soviet Naval Exercise has terminated.

A. Request maximum coverage of the area excluding Norway, Sweden and Finland land areas.

25X1

B. Coverage of the following emitters is to be emphasized; processing and reporting of signals from these emitters is desired within six hours or as soon thereafter as practicable.

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SQUARE HEAD IFF G302Z

25X1

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HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

BYE-1488-71

FLAT SPIN

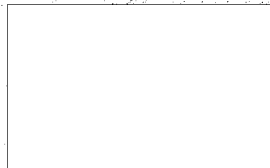


VDL (Video Data Link)

HIGH SIEVE



SNOOP SLAB



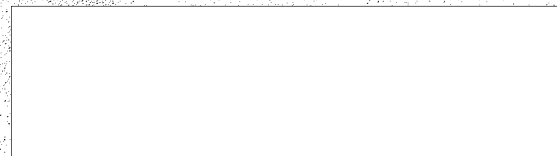
25X1

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25X1

C. Request that ocean surveillance data be reported in GRENADA reports format to the Naval Ocean Surveillance Intelligence Center, the Naval Intelligence Command and the member agencies represented on the SORS.



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BYE-1495-71
SORS 10./109/32
30 July 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS 4/SOUSEA
3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS 4/SOUSEA 3, Missions 7332/7333:

1. Request that collection be conducted against the Warsaw Pact Multiforce Exercise [redacted] on all available orbits during the period 3-22 August 1971.

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25X1

2. It is desired that processing and reporting of intercepted data be accomplished on a first available basis during the period 3-8 August 1971. Thereafter, QRC processing and reporting, within six hours after intercept or as soon thereafter as practicable, is desired during the period 9-22 August 1971.

3. Request that expedited reporting of intercept data be made to EEIC, EUCOM, DIA (and its specified addressees) and all agencies represented on the SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE.

[Redacted Signature Box]

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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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KEYHOLE CHANNELS JOINTLY

Copy 16
BYE-1504-71
SORS 10./109/33
13 August 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Ocean Surveillance Mission Guidance for
TRIPOS 4/SOUSEA 3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following ocean surveillance mission guidance for TRIPOS 4/SOUSEA 3, Missions 7332/7333:

1. Request that collection be conducted against units of the United States First Fleet engaged in ROPEVAL 3-71 exercises as well as against any Soviet Fleet units which may be in the exercise area. This area includes the Pacific Ocean between the California land mass from Pt. Mugu to San Diego and bounded on the west by Midway and Hawaii. Collection is desired from 8-17 September 1971. This collection should not degrade by more than 50% the collection recommended in existing SORS mission guidance.

2. Processing and reporting of intercepted data is desired in a QRC mode.

3. The Navy Member, SORS, will advise the NRO and NSA of specific emitters for collection and processing and recommended reporting procedures, with information copies to all SORS Members.



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KEYHOLE CHANNELS JOINTLY

Copy
BYE-1522-71
SORS 10./109A/35
9 September 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Ocean Surveillance Mission Guidance for
TRIPOS 4/SOUSEA 3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following ocean surveillance mission guidance for TRIPOS 4/SOUSEA 3, Missions 7332/7333:

1. Request that overhead collection by TRIPOS 4/SOUSEA 3, Missions 7332/7333, be conducted against units of the U.S. Second Fleet engaged in Exercise ROYAL KNIGHT and against all Soviet/Warsaw Pact Fleet units which may operate in or near the exercise area. Collection is desired during the period 24 September - 4 October 1971. This collection shall not degrade by more than 25% the collection recommended in existing SORS mission guidance against the Soviet Union and Communist China.

2. It is requested that intercept data of all Soviet/Warsaw Pact units in the area bounded by [redacted] be reported within six hours of intercept or as soon thereafter as practicable.

3. It is requested that intercept data from all Exercise ROYAL KNIGHT units operating in the following area be reported within six hours of intercept or as soon thereafter as practicable:

63N, 13W	67N, 00E
71N, 00E	71N, 24E
71N, 24E	70N, 17E
70N, 16E	68N, 12E

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KEYHOLE CHANNELS JOINTLY

BYE-1522-71

67N, 11E
62N, 04E
58N, 06E
56N, 04E

64N, 07E
60N, 04E
50N, 07E
60N, 00E

4. A list of Soviet radars of interest in priority order are attached as TAB A. U.S. Second Fleet radars (not in priority order) of interest are attached as TAB B.

5. In addition to NSA reporting to the SORS Members of intercept data resulting from collection against the ROYAL KNIGHT Exercise, other addressees of intercept data will be mutually agreed upon by the DIA and the NSA.



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EXECUTIVE SECRETARY
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

Attachments:
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16

HANDLE VIA BYEMAN/TALENT-
KEYHOLE CHANNELS JOINTLY

Copy
BYE-1540-71
SORS 10./109/36
17 September 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Additional Mission Guidance for TRIPOS 4/
SOUSEA 3 - Missions 7332/7333

REFERENCE: SORS 10./109/26, BYE-1453-71, dated 16 April
1971, Subject: Revised Mission Guidance
for TRIPOS 4/SOUSEA 3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS)
recommends the following additions to the reference:

- 1. Paragraph 4, add "Processing and reporting of signals intercepted from the White and Black Sea ranges should emphasize [redacted] target tracking and missile guidance signals associated with the [redacted] Processing and reporting of signals intercepted from the Baltic and Black Sea ranges and the Askold range in the Sea of Japan should

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[redacted]

[redacted]

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CHAIRMAN
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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Copy
BYE-1548-71
SORS 10./109/38
23 September 1971

UNITED STATES INTELLIGENCE BOARD
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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

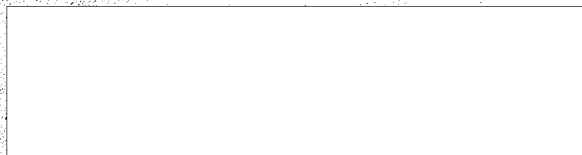
MEMORANDUM FOR: DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL SECURITY AGENCY

SUBJECT: Special Mission Guidance for TRIPOS 4 - Mission
7332

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS 4, Mission 7332:

1. Request that the CW option be utilized in Band 2 (5000-6000 MHz) and Band 3 (6000-7000 MHz) at an approximate ratio of 1:1 to attempt the intercept of Communist Chinese low power (about 5 watts) line-of-sight communications systems. This CW collection should begin as soon as practicable for a period of 45 days. This CW option should not be utilized on more than 10% of the total taskable orbits.

2. It is requested that any communications type signals intercepted in Bands 2 and 3, CW option specified above, be processed for emitter location, frequency and beam orientation. The date and time of intercept for the foregoing data should be reported.



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KEYHOLE CHANNELS JOINTLY

Copy 16
BYE-1570-71
SORS 10./109/42
5 November 1971

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS 4 -
Mission 7332

- REFERENCES:
- a. SORS 10./109/38, BYE-1548-71, dated 23 September 1971, Subject: Special Mission Guidance for TRIPOS 4 - Mission 7332
 - b. SORS 10./109/26, BYE-1453-71, dated 16 April 1971, Subject: Revised Mission Guidance for TRIPOS 4/SOUSEA 3 - Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS 4, Mission 7332.

1. Request that the CW option be utilized in band 3 (6000-7000 MHz) on all orbits which view operational Soviet [redacted] sites, with emphasis on collection against the [redacted] Sary Shagan, Leningrad and Kovylnino. The objective of this collection is to acquire the [redacted] re-
lated, which has been found to date operating at frequencies between 6618-6630 MHz and particularly to determine the location of the [redacted] signal emanation.

2. This special mission guidance supersedes reference a and paragraph 3 of reference b; the remainder of reference b remains in effect.

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Copy 16
BYE-1134-72
SORS 10./109/44
24 February 1972

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for TRIPOS 4/SOUSEA 3 -
Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for TRIPOS 4/SOUSEA 3, Missions 7332/7333:

1. Collection should be accomplished whenever feasible against the following radars when TRIPOS/SOUSEA is within the field of view of East Germany, south of 53 degrees North latitude. Collection, processing and reporting should emphasize the following radars, in priority order:

- a.
- b.
- c.
- d.
- e.



2. Processing should emphasize locations of the above emitters. Reporting should be accomplished within 24 hours after intercept to SORS Member Agencies and to such other addressees as may be mutually agreed upon by the DIA and the NSA.

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~~EARPOP/RUFF/ZART~~
NO FOREIGN DISSEM

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KEYHOLE CHANNELS JOINTLY

BYE-1134-72

3. This special mission guidance is effective during the period 1-31 March 1972.



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CHANNELS ONLY

Copy 16
TCS-2202-72
SORS 10./109/45
9 March 1972

UNITED STATES INTELLIGENCE BOARD
SIGINT COMMITTEE
SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Mission Guidance for Missions 7332/7333

In support of the COMBAT SENT program, the SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special mission guidance for Missions 7332/7333.

1. Request collection whenever feasible against the following radars when Missions 7332/7333 are within the field of view of East Germany, Poland and the USSR Air Defense [redacted]

[redacted] Collection, processing and reporting efforts should be directed towards the following radars:

- a.
- b.
- c.
- d.
- e.



2. Processing efforts should emphasize locations of the above radars and reporting should be accomplished within 24 hours after intercept to SORS member agencies and to other addressees mutually agreed upon by the DIA and NSA.

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CHANNELS ONLY

TCS-2202-72

3. This special mission guidance is to be effective during the period 11 March through 20 April 1972. The reference remains valid.

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CHANNELS ONLY

Copy 16
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SORS 10./109A/46
16 March 1972

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SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE

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

SUBJECT: Special Ocean Surveillance Mission Guidance
for Missions 7332/7333

The SIGINT OVERHEAD RECONNAISSANCE SUBCOMMITTEE (SORS) recommends the following special ocean surveillance mission guidance for Missions 7332/7333:

1. Request that collection operations be conducted against Soviet naval units, and also the U.S. First Fleet units engaged in the ROPEVAL 1-72 Exercise area. The area for coverage includes the Pacific Ocean between California from Pt. Mugu to San Diego with westward boundary points of Midway Island and the Hawaiian Islands during the period 12-28 April 1972. If conflicts occur between this recommended collection and collection in support of COMBAT SENT (SORS 10./109/45), it is requested that such collection capability be equally divided as feasible between these two areas.
2. It is requested that reporting of all Soviet and U.S. naval shipborne emitters located within the target area be accomplished on a time critical basis.
3. The Navy Member, SORS, will advise the NRO and NSA of specific emitters for collection, processing and mutually agreed upon reporting procedures, with information copies to all SORS Member agencies.

[Redacted Signature Box]

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