

STAFF SUMMARY SHEET

	TO	ACTION	SIGNATURE (Surname and Grade)		TO	ACTION	SIGNATURE (Surname and Grade)
1	AF/XO	Coord	<i>[Signature]</i>	6			
2	AF/RD	Coord	<i>[Signature]</i>	7			
3	AF/CC	Appr	<i>[Signature]</i>	8			
4	SAF/OS	Sig	<i>[Signature]</i>	9			
5				10			

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPYST'S INIT.	SUSPENSE DATE
Lt Col Williamson/Maj Watts	INYSB	70514	jf	

SUBJECT: ELINT Requirements (U) DATE: 23 SEP 1975

SUMMARY

- ~~(TS B TK)~~ The SIGINT Committee of the United States Intelligence Board was asked to evaluate two overhead ELINT collection systems and express a community judgment on which of the two should be procured (Background Paper at Atch 2).

 - Option #1. RAQUEL IA is a general search system with a limited technical intelligence capability. It can monitor frequencies from 4.0 GHz to 18.0 GHz, thereby preventing technological surprise in the higher frequency bands.
 - Option #2. RAQUEL II offers an extremely good technical measurement capability, sufficient to provide the fine grain parametric accuracies required for the design of electronic warfare (EW) equipments. It covers a frequency spectrum of from 1.5 GHz to 10.0 GHz. Most of the emitters which pose threats to aircraft are in this frequency band.
- ~~(TS B TK C)~~ The SIGINT Committee was unable to reach an agreement; however, most of the members were persuaded that RAQUEL II should be procured and that another low orbiting system, URSALA IV, be modified (in lieu of procuring RAQUEL IA) to provide the capabilities planned for RAQUEL IA. The SIGINT Committee, in a letter to the Director, Central Intelligence (Atch 3), recommended (a) procuring RAQUEL II; and (b) modifying URSALA IV to provide the required higher frequency coverage. The Navy nonconcurred in the recommendation and the CIA expressed concern for funding and possible program slippage/cancellation.
- ~~(TS TK)~~ Failure to procure RAQUEL II will produce an unacceptable impact on intelligence collection in support of research and development for EW equipment. The effectiveness of EW depends heavily on the accuracy of the intelligence information available to the designers of these EW systems. Accurate technical intelligence, then, directly affects the survivability of the strike force. Intelligence based on limited technical knowledge may seriously handicap penetration planning and cause unfavorable attrition of the force.

Classified by BYE-1
 EXEMPT FROM GENERAL
 DECLASSIFICATION SCHEDULE
 OF EXECUTIVE ORDER 11652
 EXEMPTION CATEGORY Para 5b(2&3)


HANDLE VIA
 BYEMAN-TALENT-KEYHOLE-COMINT
 CONTROL SYSTEMS JOINTLY

DECLASSIFY ON: IMPDET
 AF FORM 1750 APR 71
~~TOP SECRET TADT 400000~~

4. ~~(TS-TK)~~ We have received information that since the SIGINT Committee could not reach a unanimous position, the matter has been referred back to Dr. Hall (Assistant Secretary of Defense (Intelligence)) (ASD(I)) for a decision. We have been informed by the Chairman, SIGINT Committee that the ASD(I) staff favors procuring RAQUEL IA. It is against the interests of the United States Air Force to procure the RAQUEL IA system in lieu of the RAQUEL II. Dr. Hall should be apprised that failure to procure the RAQUEL II system would produce an unacceptable adverse impact on the strike forces of the tactical air commander.

RECOMMENDATION

5. ~~(U)~~ AF/CC approval and SAF signature on proposed Memorandum at Atch 1.


JOHN S. PUSTAY, Brig Gen, USAF
Deputy Asst Chief of Staff, Intelligence

*Atch
Withdrawn*

- ~~Atch~~
- ~~1. Proposed Memo to ASD(I) for sig by SAF (TS-B/E-TK), 1 cy~~
- ~~2. BP on Collection Systems (TS-B/E-TK/Z-C), 1 cy~~
- ~~3. SIGINT Committee Memo, 12 Sep 75, BYE-111477-75, cy #15 (TS-B/E-TK/Z-C), 1 cy~~

HANDLE VIA
BYEMAN-TALENT-KEYHOLE-COMINT
CONTROL SYSTEMS JOINTLY

TOP SECRET TAMP EAD303