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WASHINGTON, D.C.



THE NRO STAFF

5 February 1975

Mr. Plummer has seen.

MEMORANDUM FOR MR. PLUMMER

SUBJECT: Follow-on Mapping Capability - HEXAGON

The revised memorandum for Dr. Hall which you requested is at the right. The original memoranda are at TABs A and B.

W
HAROLD P. WHEELER, JR.
Colonel, USAF
Director

CWC

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WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

MEMORANDUM FOR DR. HALL

SUBJECT: Follow-on HEXAGON Mapping Capability

I have reviewed the options for providing a continuing mapping capability in conjunction with the currently approved HEXAGON program. Of the original options presented to you on 14 and 17 January 1975, you concluded that only Option 1 (buy two more MCSs) and Option 4 (delay two MCS missions until the last two HEXAGON flights) offer viable alternatives. In either case, you indicated that a study of Metric Pan System feasibility should be accomplished. My review was based on the schedule data at TAB A and the performance and cost data at TAB B.

My assessment of the technical, cost and schedule risk of these two options is that the risk is acceptable for both cases. After reviewing the analysis in TAB B, I conclude that after SV-18, the high priority requirement satisfaction level for the two options will be nearly equal. For these high priority requirements, a coverage delta in Option 4 as compared to Option 1 would range from about 17% less area and 11% fewer SIOP targets after SV-12 in 1976, to 5% and 0.1% after SV-18 in 1980. If this delay is unacceptable then Option 1 should be selected.

As you know, the cost and schedule data at TAB B is predicated on an early decision in this matter.

J. W. Plummer

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Schedule Data (TAB A)
Analysis (TAB B)

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