

~~TOP SECRET~~HANDLE VIA  
**BYEMAN**  
CONTROL SYSTEM~~(S)~~ NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

THE NRO STAFF

12 March 1975

*Mr. Plummer has seen.**7.00  
Pl. 4/16  
AL 4/16*

MEMORANDUM FOR MR. PLUMMER

SUBJECT: Application of SPARS to HEXAGON Metric Pan System

In answer to your question on 5 March, SPARS was considered in the initial Metric Pan Concept Study conducted by SAFSP, and was one of the approaches reported at the 26 June 1974 meeting which summarized the study results.

In the concept study, it was determined that SPARS was not an attractive approach because, as a star crossing sensor, it either required its own inertial measurement unit (IMU) or a complex interface with the HEXAGON IMU. In addition, SPARS as developed for DMSP does not have the accuracy required (15 versus 5 arc seconds).

For the current Metric Pan Study, all of the approaches previously proposed, plus possible new approaches, are under consideration.

*Harold P. Wheeler, Jr.*  
HAROLD P. WHEELER, JR.  
Colonel, USAF  
Director

HEXAGON

HANDLE VIA  
**BYEMAN**  
CONTROL SYSTEMCLASSIFIED BY BYEMAN: 1 EXEMPT FROM  
GENERAL DECLASSIFICATION SCHEDULE OF  
EXECUTIVE ORDER 11652 EXEMPTION CATE-  
GORY 5B2 DECLASSIFY ON IMP DET.~~TOP SECRET~~

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