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MEMORANDUM FOR THE DIRECTOR OF SPACE, RLS USAF

SUBJECT: Spaceflight Plan #6-3

I concur in proceeding with Spaceflight Plan #6-3, subject to the following:

1. The VUV experiment assigned to #6-3 must, within existing funding and booster constraints, provide a maximum amount of information which will be needed to determine the value of VUV sensors for future military applications. NRL and NRL have each proposed experiments; but the military applicability, in part, of each experiment is in doubt and the costs high. It is therefore requested that you have NRL take the lead in working with NRL to accomplish the following:

a. Define the key questions which must be answered to determine the utility of VUV for functions such as surveillance, attack assessment, and technical intelligence.

b. Define the minimum cost space experiment which can make a significant contribution to answering these questions.

c. Modify the CRL-246 as appropriate, preferably with NRL participation.

d. Plan a flight test program to include cooperative launches.

Should the weight of the VUV experiment increase, the remaining experiments can be deleted from this #6-3 flight as necessary. I would like to review the reconfigured VUV experiment prior to proceeding with development. I am sending RADM Moffit a copy of this memorandum and I request that he assist in obtaining NRL support for this approach.

MDP

Office of the Secretary of Defense SLISL 5352
Chief, RDD, ESD, WHS
Date: 26 FEB 2014 Authority: EO 13526
Declassify: X Deny in Full: _____
Declassify in Part: _____
Reason: SLISL 5352 (b)(6)
MDR: 13-M-4606

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Chief, Records & Declass Div, WHS
Date: **FEB 26 2014**

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2. With reference to the SAMSO 245 Three Axis Electrically Suspended Accelerometer (ESA), COL W. Henderson, ASD(I) states that an electrically suspended accelerometer was successfully flown about 1967, demonstrating in space flight a 10 -11 g sensitivity. COL Henderson advises the hardware was provided under Air Force contract by Bell in a program run by MAJ Ben Johnson. The SAMSO 245 experimenter should examine the technology demonstrated in MAJ Johnson's program and provide a comparison which verifies the need for the proposed SAMSO 245 space experiment.

The SEP experiments which support the NAVSTAR GPS are of high priority. The Navy NTS and AF NLS experiments are essential experiments which the SEP program should be capable of supporting effectively and economically. The schedules of lower priority flights, such as P76-3 and the proposed flight of the ARPA 301 spectrometer should be delayed if necessary to fully support GPS within available funding.

Robert S. Cooper

Robert S. Cooper
Assistant Director
Space & Advanced Systems

w/o
Attachment

Spaceflight Plan P76-3

cc: RADM L.W. Moffit, OENAV

OAD(S&AS)

16Dec73

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(S) 5 U.S.C. § 552(b)(6)

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