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 THE WHITE HOUSE
 WASHINGTON

September 15, 1959

(D)

MEMORANDUM FOR GENERAL GOODPASTER

SUBJECT: Coordination of Satellite and Space Vehicle Operations

Because of the shortness of time available to me for these comments, they will be limited to some of the more technical aspects of the proposal re "Coordination of Satellite and Space Vehicle Operations."

Although presently the satellite and space vehicle RDTE programs are under an over-all management of ARPA, in detail it is the Services which manage the individual projects with funds allocated by ARPA. All three Services are thus presently "in space" with ill-defined lines of demarcation and much duplication. Presently the Services expect that various projects, when they are through the RDTE stages and have become operational, will be assigned to them for complete management. All of this leads to strong competition among the Services to stake out the largest possible claims "in space" which can be done on ARPA budget as things stand.

The proposal should improve the situation substantially because:

- (a) Clear-cut assignments of authority to the three Services along reasonably functional lines will be made.
- (b) In view of the above, the duplication of projects should be greatly reduced.
- (c) Since the projects will be carried out on Service rather than ARPA budgets, a more effective restraint against indefinite multiplication and elaboration of projects will be established.

I am not touching in this memo on the basic problem referred to by the President as to whether the proposal tends toward separation rather than unification of the Services.

W. S. J. T.

G. B. K.

G. B. Kistiakowsky

This now looks O.K. to me after conversation with Mr. Eby.

DZ

K-7326-1

I think this needs a lot of study. It appears to me to be going in wrong direction

MEMORANDUM FOR THE CHAIRMAN, JOINT CHIEFS OF STAFF *ds*

SUBJECT: Coordination of Satellite and Space Vehicle Operations



The views of the Joint Chiefs of Staff regarding the coordination of satellite and space vehicle operations as contained in Joint Chiefs of Staff memorandum 283-59 dated 24 July 1959 have been considered. This subject was also discussed with the members of the Joint Chiefs of Staff and the Director of Defense Research and Engineering on 13 August 1959 and 3 September 1959.

The Director of Defense Research and Engineering considers that the numbers of satellite vehicles to be launched and the numbers of satellites expected to be in orbit in any one period over the next several years will not be large. Nevertheless, the advent of military satellite and space vehicle systems has national security implications which emphasize the need for over-all control and coordination of the military activity pertaining thereto.

The establishment of a joint military organization with control over operational space systems does not appear desirable at this time. The utilization of the present organization of the Military Departments appears preferable in order to realize full advantage from existing support capabilities, to eliminate conflicting research and development interests and responsibility, and to simplify fiscal accounting.



Although the research and development leading to the demonstration of operational feasibility will continue to be the responsibility of the Advanced Research Projects Agency for the time being, it appears desirable at this time to begin the development of a plan for the orderly transfer of space projects to the appropriate military departments. This transfer will normally be made during the development phase at an appropriate time to be determined by the Secretary of Defense.

Satellite and space vehicle operations will be assigned to the appropriate military department after consideration of the primary interest or special competence of the respective service. Where no one military department has primary interest or special competence, consideration will be given to special competency in associated fields of development.

The responsibility for the development, production and launching of space boosters and the necessary systems integration incident thereto, as approved by the Secretary of Defense, will be assigned to the Department of the Air Force except for such research and development as may be conducted by ARPA.

The specific assignment of the payload for space and satellite systems will be assigned separately to the appropriate military department which, in addition to budgeting for the payload, will also budget and reimburse the Department of the Air Force for the necessary boosters, launching vehicles and other unique equipment required in launching and necessary systems integration.



The following specific assignments for payload development and payload research and development support and production improvement are approved:

- (a) Interim satellite early warning system -- Air Force.
- (b) Phase I of satellite reconnaissance system -- Air Force.
- (c) Interim satellite navigation system -- Navy.
- (d) Interim satellite communications system -- Army.

The date of transfer of the above-listed systems from the Advanced Research Projects Agency will be approved by the Secretary of Defense upon the recommendation of the Director of Defense Research and Engineering. Assignment of other systems that may be developed will be determined later.

Prior to assuming responsibility for a particular satellite and space vehicle program, the appropriate military department will submit to the Secretary of Defense for approval detailed plans for the system including user relationships with the Unified and Specified Commands and other appropriate agencies. The Secretary of Defense will refer such plans to the Joint Chiefs of Staff for comment and recommendation.

The Director of Defense Research and Engineering will review and approve the detailed research and development programs in the space and satellite field utilizing where appropriate the support of the Advanced Research Projects Agency in order to insure the most efficient

and effective utilization of the Department of Defense resources in this field. Particular attention should be given to the desirability of incorporating, where practicable, more than one payload or system in a particular satellite.

