

c. Ensuing deliberations concerning the transfer of the ABMA and the Saturn project were consummated in a NASA-DOD agreement. This agreement was released with Executive approval under date of 2 November 1959 in which NASA was assigned responsibility for the development of large space boosters. Concurrently, the Saturn project and the ABMA were transferred to the NASA.

The Air Force adheres to its position that the assignment of the ABMA and associated projects, personnel complement and test facilities should logically accrue to the agency responsible for development of large space boosters. Thereafter, the management of that segment must be efficiently integrated within the responsible agency's overall R. & D. complex. The decision rendered in this case placed the responsibility with the NASA and provided concurrently that the resources were to be transferred to their jurisdiction.

Had the responsibility and associated resources been assigned to the Air Force, it can reasonably be surmised that the Saturn project personnel and associated facilities would have been most carefully integrated into the Air Force R. & D. management structure and physical plant. Air Force management of high priority R. & D. projects recognizes that the most efficient utilization of such critical resources as technical personnel and test facilities is a vital aspect in the successful prosecution of such efforts.

Question 7. Please define "preliminary research."

Answer: The following DDR&E definition of preliminary research is currently being coordinated within DOD. If approved, it will be issued as a directive to all military services. *Preliminary research* means theoretical, exploratory and feasibility efforts including studies, experimentation and model fabrication. *Studies* include theoretical, planning, investigatory feasibility or preliminary design efforts related to the utilization of space for military purposes or in support of assigned military missions or responsibilities. *Experimentation and model fabrication* includes component, instrumentation, subsystem, propulsion, experimental payload and other efforts uniquely or chiefly applicable to or useful for space.

ADDENDUM

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DEPARTMENT OF DEFENSE DIRECTIVE

SUBJECT *Reconnaissance, Mapping and Geodetic Programs*

Reference: (a) DOD Directive 5160.32, "Development of Space Systems"

I. Purpose

This Directive assigns responsibilities for research, development, and operational activities in the fields of reconnaissance, mapping and geodetic programs.

II. Reconnaissance Satellites

The Department of the Air Force will be responsible for:

1. Research, development and operation, including payload design, launch, guidance, control and recovery of all DOD reconnaissance satellite systems.
2. Research and development of all instrumentation and equipment for processing reconnaissance data from satellite sources.

III. Geodetic Controls and Mapping Production

A. The Department of the Army will be responsible for the establishment and management of a single geodetic and mapping program to meet the total requirements of the Services and the Department of Defense in consonance with priorities established by the Joint Chiefs of Staff. This responsibility will include the establishment and maintenance of a world-wide master geodetic control system and geodetic library and the production and dissemination of geodetic data and topographic maps as required by Department of Defense agencies. In addition, it will include the establishment of a mapping and geodetic data collection program responsive to the needs of the three military departments and under the broad priorities established by the Joint Chiefs of Staff. The Department of the Army will be responsible for maintaining a research and development program in basic geodetic methods.