

ROUGH DRAFT

APOLLO RECOVERY CONTROL CENTERS

Justification:

The Apollo spacecraft is expected to have the capability, during reentry, of maneuvering to a point landing. Recovery Control Centers, located at or near the designated landing areas are required for support of the spacecraft flight control functions during reentry and touchdown. Four centers are presently proposed for the primary and secondary landing areas which are required to increase mission flexibility and to provide for recovery following mission aborts, and to provide alternates resulting from weather or other factors.

The Recovery Control Centers will assist in reentry and landing by providing flight control information and/or instructions to the spacecraft during the final phase of the mission, and by coordinating and controlling the retrieval operation with the spacecraft crews and the ground recovery personnel.

Description:

The configuration of the proposed Recovery Control Centers has not yet been fully developed. These Centers will, however, include a Recovery Control area equipped with appropriate consoles and displays for presentation of navigating and guidance information derived from tracking and telemetry data. The Centers will be provided with communication capability with both the spacecraft ~~and~~ the recovery forces, <sup>and the mission control center</sup> Other areas in the Centers will house telemetry, tracking, communication and data processing equipment, and facilities for maintenance, engineering and administrative support.

A one-story facility is planned for each center, to provide approximately 2,500 square feet of floor space.

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