

1967 PLANNED MAJOR ACTIVITIES SPACECRAFT (S/C)

COMMAND AND SERVICE MODULE (CSM)

- COMPLETE BLOCK I AND BLOCK II CSM GROUND TEST PROGRAM
- COMPLETE BLOCK II CSM SUBSYSTEM CERTIFICATION
- COMPLETE QUALIFICATION OF BLOCK II EXTRA-VEHICULAR MOBILITY UNIT (SPACE SUIT)
- ACTIVATE LAST APOLLO MISSION SIMULATORS
- DELIVER FIVE S/C ADAPTERS TO KSC
- COMPLETE DELIVERY OF BLOCK I CSM'S TO KSC

LUNAR MODULES

- COMPLETE LM GROUND TESTING CONSTRAINING EARTH ORBITAL AND LUNAR MISSIONS
- COMPLETE PRODUCTION HARDWARE QUALIFICATION TESTS
- DELIVER LAST REFURBISHED GROUND TEST VEHICLE FOR SATURN V L/V QUALIFICATION FLIGHT

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FIGURE 29

ground testing constraining earth orbital and lunar missions, we expect to complete the production hardware qualification tests and deliver last refurbished ground test vehicle for the Saturn V launch vehicle qualification flight.

We do not have a schedule for delivery of flight Lunar Modules to the cape, depending upon what, if any, changes are required.

Turning to the experiments program (fig. 30, A66-9770), we have a number of experiments being developed for Apollo. The in-flight experiments include medical, scientific, technological, and a few DOD experiments. These, in turn, however, are few in number as compared to the Gemini and Apollo Applications program. We are tending to shift experiments that aren't directly related to the lunar mission itself into the Apollo Applications program. In the case of the Apollo Lunar Surface Experiments Package (fig. 31, MA66-9806), we do have six experiments being developed. As you can see in the right-hand chart, the general concept consists of a central data gathering and transmitting system with outlying sensors to provide the information that is then transmitted back to earth. It is designed for operation for about a year on the lunar surface, both night and day.

We are also developing equipment for geological survey of the lunar surface; they include handtools, sample containers, and, of course, the mapping and survey system.