

Following the change period, spacecraft 101 will then again undergo checkout. With the experience gained in the current checkout we might expect this to proceed smoothly and to require from two to three months. Following checkout of spacecraft 101, we plan to conduct the normal contract acceptance readiness review. The spacecraft will then be shipped to the Kennedy Space Center where it will undergo approximately four months of preparation, test and checkout prior to launch.

In parallel with the design and configuration decisions we must also decide which items will require requalification and what special tests must be conducted. Involved here is the normal program function of allocating units to flight spacecraft versus ground test and qualification test. To perform any unmanned flight tests that we may determine to be necessary, we have two spacecraft, numbers 017 and 020, which are scheduled for the first two Saturn V flights. We are planning to conduct these unmanned flights this year—to flight test the launch vehicle, to evaluate the performance of the spacecraft heat shield and to verify the spacecraft in orbital flight. These missions will afford the opportunity to flight test those changes that affect flight safety that may be made in procedures or hardware.

For ground test of spacecraft changes we have the 2TV-1, that is the thermal vacuum test article for Block II spacecraft. This test article, like spacecraft 101, is currently progressing through an initial series of operational checkout procedures. This article will be delivered to the Manned Spacecraft Center in Houston for the overall ground qualification of the Block II spacecraft. We plan that it will also be reworked and reverified before delivery to Houston for checkout and thermal vacuum tests, which are required to be successfully completed prior to launch of a manned Block II spacecraft.

This, then, is our current plan with respect to the Block II spacecraft. The impact on the first manned launch cannot be stated until we have determined the time required for rework and requalification.

It is quite possible that we will experience some impact also in our Lunar Module development program (fig. 15 MC67-5939). We have deferred detailed

ACTIONS

LUNAR MODULE

- **EVALUATE IN LIGHT OF AS-204 FIRE**
- **CHANGE AS REQUIRED**

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FIGURE 15