BRIEFING FOR CONGRESSMAN OLIN E. TEAGUE, CHAIR-MAN, AND THE HOUSE SUBCOMMITTEE ON MANNED SPACE FLIGHT

JOHN F. KENNEDY SPACE CENTER, FEBRUARY 25, 1967

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Douglas mission at the Kennedy Space Center is checkout and launch of the SIVB stage on the Saturn Uprated IB and Saturn V vehicles. This is accomplished in conjunction with NASA and the industry team illustrated on the chart.

Checkout and launch at the Kennedy Space Center on a typical stage is accomplished in three phases: (1) a short period in the low bay position, (2) a relatively long period in high bay on the mobile launcher, and (3) a final period of activity at the launch pad. The stage is erected in low bay directly after arrival from the Sacramento Test Center where the stage was static fired. In this position, receiving inspection and initial preparation for testing is performed. After completion of low bay activity, stacking of the stages occurs in the high bay. SIV, SIVB and IU are erected and subsystem testing of the individual stages begins. Final modifications resulting from recent design or flight data are accomplished during this period.

It is at this time in the high bay that the various stages of the launch vehicle and their respective GSE and softwave have their first opportunity to functionally, physically, and procedurally interface. Integrated vehicle tests are conducted to simulate prelaunch and flight sequences within the earth defined environmental and operational limits. At the launch pad, final installation of ordnance devices occurs in conjunction with various propellant loading operations. Flight readiness testing simulating mission sequence is again accomplished prior to entering into launch countdowns to assure successful accomplishment has been obtained of all previous preparations, arming and checkout operations.

This chart depicts actual headcount of Douglas personnel at the Kennedy Space Center versus headcount projected against the 4D Contract Schedule. Difference in levels has been heavily influenced by Saturn/Apollo schedule changes. Staffing of personnel has been restricted to usage requirements by Douglas management direction to avoid personnel being added to the program prior to need.

This chart indicates manufacturing personnel are being primarily hired within the Kennedy Space Center area. Engineering, however, places emphasis on obtaining personnel from other Douglas locations to assure prior technical development and design familiarity before operational involvement. Experience from Saturn I, Thor-Delta and other non-Douglas programs in the area is a significant contribution to the SIVB team.