

NAS 8-4016

SCHEDULE IV LAUNCH MISSION(KSC-1)

DESCRIPTION

- TASK 1 PRE-LAUNCH AND LAUNCH OPERATIONS (MSFC FUNDED)
- TASK 2 GROUND SUPPORT EQUIPMENT OPERATIONS
- TASK 3 DOCUMENTATION OF GROUND SUPPORT EQUIPMENT
- TASK 4 SPARES SUPPORT G.S.E.
- TASK 5 REFURBISHMENT OF LAUNCH COMPLEXES (OFF-SITE)
- TASKS 6,7 AND 8 G.S.E. SUSTAINING ENGINEERING
- TASKS 9 AND 10 MODIFICATION OF LAUNCH COMPLEX 34
- TASKS 11,12 AND 13 MODIFICATION OF LAUNCH COMPLEX 37B
- TASK 14 APOLLO FLIGHT READINESS REVIEW REPORT INPUTS
- TASK 15 TESTING OF UPRATED SATURN I GROUND SUPPORT EQUIPMENT (FUNCTIONAL, QUALIFICATION AND RELIABILITY)
- TASK 16 INTEGRATION SUPPORT-(PROCEDURES-RULES-SCHEDULES, ETC.)
- TASK 17 TRAINING
- TASK 18 RELIABILITY ENGINEERING

CHART 29

connection that these UTC units are already man-rated in connection with the DOD Titan III program.

Mr. MELDRUM. That's a real good point, Dr. von Braun. All of this is here. This is not a scientific program. This is an engineering program.

Dr. VON BRAUN. You just stack them up.

Mr. MELDRUM. This is "state-of-the-art." We have this today.

Congressman ECKHARDT. Is there any reason that you plan to do this with separate tanks rather than with the setup that you have in Saturn V with a single tank?

Mr. MELDRUM. Well, this particular concept calls for using what we have, which is fully qualified and fully reliability tested; using it as it is and making only minor structural changes to attach the solid propellant boosters.

Mr. LOWREY. Mr. Meldrum, I would like to add something, if I may.

Mr. MELDRUM. Sure.

Mr. LOWREY. I think that we are in a somewhat similar position, in some respects, to that which we were in 5 to 6 years ago, in that it is difficult for us to know all of the payloads that are going to be required over the next 10-year span. As we get into them, one is going to develop another and change our pattern and change our need. With this kind of work, with this kind of strap-on unit added to this bird,