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MANAGEMENT PLAN FOR
SATURN VEHICLE SYSTEM

The purpose of this management plan is to set forth the channels and methods used by the National Aeronautics and Space Administration for the development of the SATURN Vehicle System. This plan is based on past experience and proven management principles of the Development Operations Division. The attached figures illustrate the plan.

Overall responsibility for program direction and supervision rests with the Office of Vehicle Development Operations, NASA headquarters. Program implementation is the responsibility of the Development Operations Division (in the future: NASA's Huntsville Center). The Development Operations Division's two main management tools can be divided into "Action" functions and "Coordination, Review and Control" functions (See Fig. 1.).

1. The Action functions are made up by the ten existing laboratories and the Office of Project Director, SATURN Vehicle System. These groups are elements of the line organization of the Development Operations Division.

2. The Coordination, Review and Control functions are executed by the SATURN Coordination Board. This Board consists of approximately 30 people who are directly engaged in major planning, engineering or testing functions in the SATURN program. It meets once every month to review the presentations given by the heads of the following working groups:

- a. SATURN Vehicle Integration groups (seven working groups with chairmen from Development Operations Division (See Fig. 2.).
- b. R&D Planning (Budget, Schedule, Load Charts, See Fig. 3.).
- c. Payload Mission and Adaptation for Projects with Outside Systems Management (six working groups, See Fig. 4.).

Coordination of the two main management tools ("Action" offices, and "Coordination, Review and Control") is effected by the Project Director, SATURN Vehicle System, who also serves as Executive Secretary to the SATURN Coordination Board.

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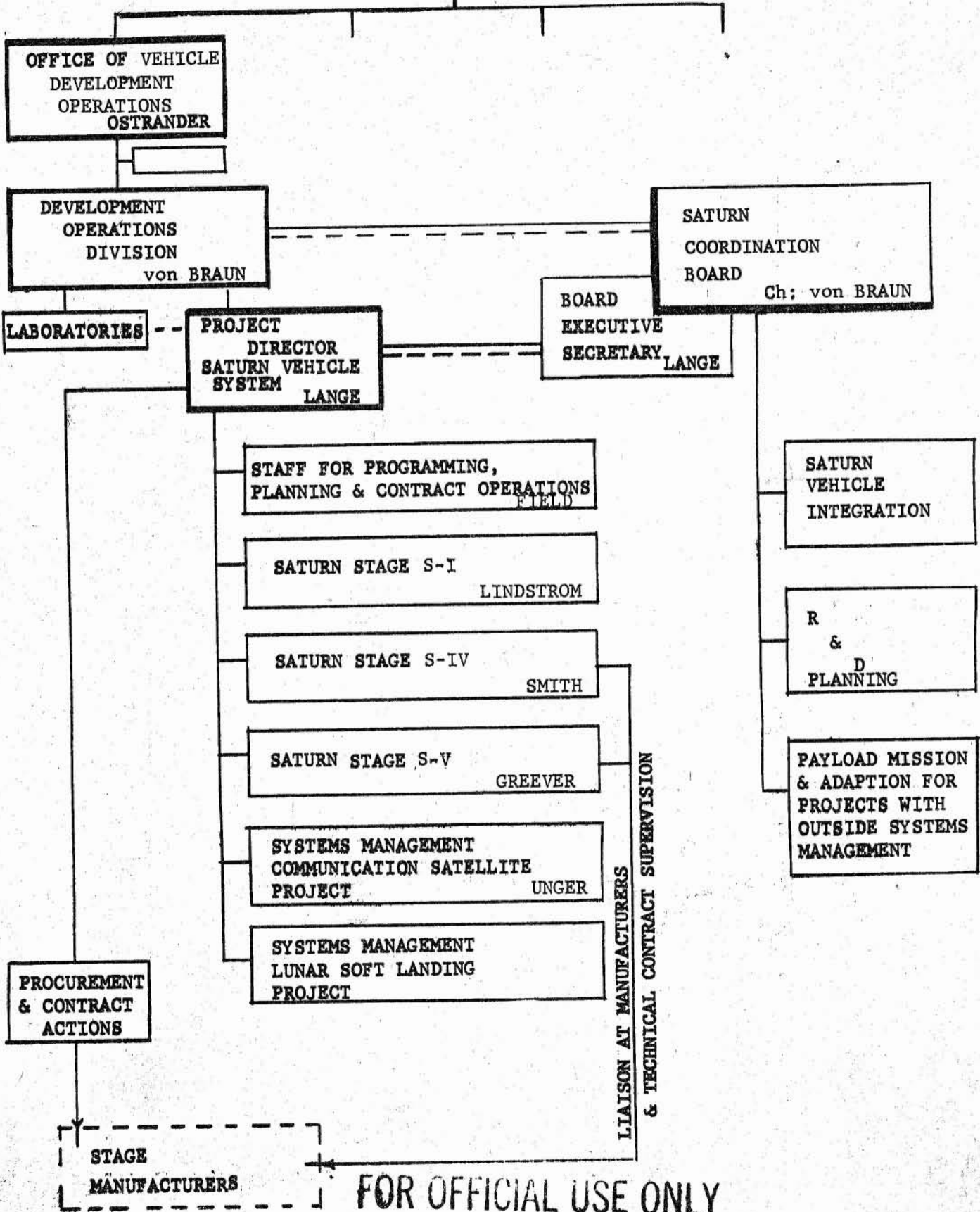


FIGURE 1

SATURN
COORDINATION
BOARD

SATURN VEHICLE INTEGRATION

WORKING GROUPS:

- | | |
|--|---------------------------------|
| 1. Launching, Handling, and Fueling | Dr. K. H. Debus |
| 2. Design Coordination and Integration | W. A. Mrazek |
| 3. Assembly | H. H. Maus |
| 4. Dynamic Behavior and Controls | Dr. E. D. Geissler |
| 5. Checkout and Captive Test Program | E. W. Neubert
K. L. Heimburg |
| 6. Guidance and Position Control | Dr. W. Haeussermann |
| 7. On-Board Instrumentation | O. A. Hoberg |

MEMBERS:

DEV OPNS DIV with chairmen from this group
NASA headquarters
Stage manufacturers
By invitation - possible users (USAF)

FIGURE 2

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Budget

Schedule

Workload Charts

Facility Load Charts

MEMBERS:

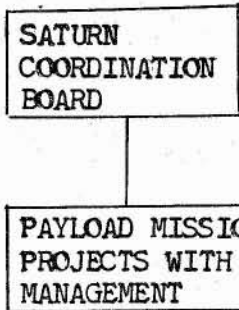
DEV OPNS DIV

NASA headquarters

By invitation - contractors

FIGURE 3

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WORKING GROUPS:

1. Experiment and Component Packaging
2. Structural and Thermal Environment Design
3. Payload Propulsion
4. Payload Guidance, Control, Networks, and Telemetry
5. Ground Support Equipment
6. Testing and Checkout

FIGURE 4