

R. Larson

MIT Management Development Plan Meeting #2

17 October 1967

1. Development Plans

- a) Intermediate milestones between levels of testing should be established to provide greater insight to the program development status.

Action - George Cherry and Fred Martin are to establish the necessary intermediate milestones for Colossus, Sundance and Luminary.

- b) A separate page shall be provided in the Development Plans for all of the GSOP milestones.
- c) A schedule should be developed for the availability of Chapter IV so that individual "P" Programs for Sundance can be used by the programmers.

Action - George Cherry should provide 23S a list of critical programs thus establishing priorities for availability of "P" programs.

- d) The Development Plans should be developed in great detail to assure all programs and subroutines are properly tested. If subroutines do not require individual test packages they should be cross referenced to a Test Package or the available documentation, that does exercise and validate the subroutines.
- e) The urgency of coming up with a thorough and detailed Sundance Development Plan for the meeting at MSC on Tuesday October 24 was stressed.

All attendees were asked to support this effort in anyway possible.

2. Sundance Testing

23 A will prepare a level IV Test Plan. The level III plan is required by 27 October 1967 and level III testing is scheduled for completion on 21 November 1967. The hybrid should be up for level IV

testing on 4 November 1967. Level IV testing is to start on 21 November 1967. It was suggested that possibly 23D could start exercising the hybrid using Fake 208 or a version of Sundance to uncover any problem areas. Action - G. Cherry & W. Marscher to discuss and define the test plan.

3. Sundance Program Problems

a) It has not been determined where the second average G computation will be placed in the program (Targetting or Servicer). This item is to be resolved by the next meeting and new dates established.

Action - G. Cherry, D. Lickly and E. Copps to resolve.

b) New dates must also be provided for an AOTMARK backup capability.

4. GSOP

a) G. Cherry will phone W. Tindall of NASA and a follow up Action Item will be added to the TWX requesting the NASA Data Exchange Group at ASPO to furnish MIT with the program design parameters for LM-3, using the Sunburst Chapter 6 as a baseline. E. Gardiner will request, through the Data Exchange channels, the additional parameters not listed in the Sunburst Chapter 6. This data is required from NASA by 15 November 1967. Sundance Chapter 6 will be published in the new format on 1 December 1967. If data is not received from NASA on 15 November 1967, Chapter 6 will still be published with best data available.

b) A presubmittal copy of Sundance Chapter 5 will be delivered from 23A to 23S on 23 October 1967.

c) Chapter 3 (Autopilots) for Sundisk will be delivered on 1 Dec. 1967.

d) Chapter 4 of the manned LM program is presently being kept in two volumes. Volume I being the Sundance Program, Volume II being Moonshine which are the programs necessary for a lunar mission. The combination of the two would equal the Luminary program.

5. General


- a) It was suggested that if MIT/IL was asked to confirm that the Sunburst program could fly the LM-2 mission that this work could be done by either the GAEC Simulator or the Lockheed simulator at MSC, thus allowing MIT to direct all its resources to new program development.
- b) A new set of LM ropes have to be manufactured for LM-2, whether or not some of the deficiencies in the LM-1 rope should be corrected by manufacturing to a new assembly of Sunburst, was questioned.

6. Correction of Minutes

Paragraph 4. b - Minutes of MIT/IL Management Development Plan Meeting #1, 13 October 1967, - pertaining to Chapter 5 of Colossus GSOP being submitted to NASA on 13 November should be changed to read 27 November 1967.

7. Schedule of Meetings

- a) Lunar Landing and Ascent - November 2 at MIT/IL
- b) DAP Design Review - October 23, 1967 at MSC
- c) Sundance Development Meeting - October 24, 1967 at MSC
- d) MIT Management Development Plan Meeting #3 - October 31, 1967 at MIT/IL.



R. C. Millard

RCM/KG/km

cc: Attendees (Listed on next page)

Group Leaders: 23A, B, D & S

W. Kupfer	J. Rhodes
J. Vittek	J. Henize
G. Levine	R. Morth
R. White	G. Stubbs
R. Larson	

ATTENDEES

R. Ragan

R. Wieser

W. Widnall

J. Shillingford

F. Martin

G. Cherry

R. Millard

D. Hoag

L. Larson

J. Dahlen

D. Lickly

D. Dolan

J. Nevins

R. Battin

J. S. Miller

W. Marscher

E. Copps

J. Kernan

A. Kosmala

K. Greene