

BELLCOMM, INC.

X66-37745  
III. 4

SUBJECT: SAA Program Specification -  
Case 218

DATE: June 27, 1966

FROM: MLS/P. L. Havenstein

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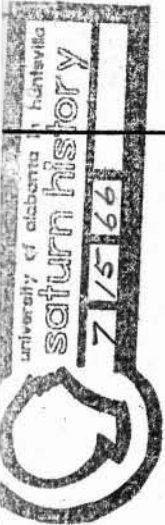
Major General D. M. Jones - NASA/ML:

Attached is a revised draft of the SAA Program Specification. Extensive comments have been received from ML Directors and from MAS and have been, for the most part, incorporated in this draft. It has been informally coordinated with the Saturn IB Project Office (System Engineering) and, with the exception of two items to be mentioned later in this memorandum, has been agreed upon. John Disher has asked me to respond to your comments and, in particular, to the question of following the "no frills concept".

The Saturn IB launch vehicle to be acquired under this specification is identical with the last part of the Apollo series with the following exceptions:

1. Telemetry has been reduced to 2 PCM links.
2. Orbital capability has been extended from 4 1/2 to 7 hours. (This capability is being incorporated in SA-208 and according to MSFC the principal change is the addition of a battery. Because of the extensive rendezvous operations planned for SAA, I suggest that this be part of the standard follow-on configuration.)
3. The requirements for spent stage operations have been included. (The question of whether these stage passivation and habitability requirements should be a standard or a mission peculiar characteristic is not resolved. MSFC is studying the implications.)
4. Software modifications are required for efficient targeting during rendezvous operations. (MSFC estimates no hardware impact although they still have this item under study.)

It has been our goal to distribute portions of the SAA Program Specification concurrent with procurement decisions for the various elements. I understand that the S-IB stage procurement has been forwarded to AD for concurrence and that it should be our objective to have this specification in being during early July. I would like to suggest the following procedure:



SATURN HISTORY DOCUMENT  
University of Alabama Research Institute  
History Of Science & Technology Group  
Date ----- Doc. No. -----

BELLCOMM, INC.

Maj. Gen. D. M. Jones

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1. Convene unofficially the planned membership of the Configuration Control Board in accordance with the draft "Saturn Apollo Applications Program Configuration Management Operating Procedures". (To this end I have taken the liberty of distributing this memorandum to the ML Directors and to MAS.)
2. Upon concurrence of the CCB, print and distribute this specification over your signature as indicated in the draft and with an additional transmittal letter having the concurrence of the Apollo Program.
3. Items which are not completely resolved in the above procedure would be treated by CCB action on a change by change basis.

ORIGINAL SIGNED BY  
P. L. HAVENSTEIN

1015-PLH-bap

P. L. Havenstein

Attached:

Draft Saturn Apollo Applications  
Program Specification

Copy to

Messrs. J. H. Disher - NASA/MLD  
G. A. D'Onofrio - NASA/MLT  
L. K. Fero - NASA/MLV  
J. P. Field - NASA/MLP  
T. A. Keegan - NASA/MA-2  
W. B. Taylor - NASA/MLA  
T. H. Thompson - NASA/MAS

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