SAFRD/Dr. Flax/mlm/76361

April 19, 1968

MEMORANDUM FOR ASSISTANT SECRETARY OF DEFENSE (PUBLIC AFFAIRS)

SUBJECT: Public Presentation of Professional Papers Related to MOL

The objective of the MOL Information Plan is to provide a carefully planned program of public information which can be released as required. In accordance with the plan we have severely limited all types of public presentations and we intend to continue to follow this policy.

Since occasional releases of unclassified information were contemplated under the plan, we have been considering what kinds of subject matter might be appropriate with particular reference to scientific and technical society meetings. We have come to the conclusion that carefully controlled and selected technical papers in the area of crew comfort and safety would be appropriate in view of the obvious need to exchange such information for the mutual benefit of the DOD and NASA programs. The APOLLO fire was an instance in which the need for such exchange was emphasized and the public and Congress insisted on being assured that such exchange was taking place. We have determined that a considerable amount of unclassified information can be released on these subjects. However, we would not expect to authorize more than two or three papers a year for presentation to professional societies in the U. S. or publication in professional journals.

I would appreciate your advice and suggestions as to the soundness of this plan from a public affairs standpoint and your concurrence with its implementation if you agree that it represents a practical approach.

Signed
Alexander H. Flax
Assistant Secretary
Research & Development

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CONFIDENTIAL

MEMORANDUM FOR ASSISTANT SECRETARY OF DEFENSE (PUBLIC AFFAIRS)

SUBJECT: Public Presentation of Professional Papers Related to MOL

The stated objective of the MOL Information Plan is to provide a carefully planned program of public information which can be released as required. In executing the plan we have discouraged almost all types of public presentations even though the policy allows for the release of material after clearance through the security and policy review system. We believe it would be in the best interest of the program to have a limited number of unclassified professional papers -- dealing with such things as crew safety -- presented at selected meetings of the scientific community.

Attached is an abstract of the type of paper we would consider. Completed papers would be carefully reviewed by my staff and forwarded to your office for final clearance before presentation. We would advise DoD and contractor organizations with potential authors that we are not encouraging a large volume of proposed papers and that we are going to be very selective in the few chosen for presentation. We would also caution them not to make any commitments to present a paper without the approval of my office.

I do not consider this a change in the basic MOL public affairs policy but rather an interpretation of the policy as it is applied to professional papers. Unless you have some other thoughts of which I might not be aware we shall proceed in this manner.

2 Attachments
1. Abstract of Paper
2. Ltr to Aerospace Corporation, 22 June 1967

CONFIDENTIAL

Titan IIIM Launch Crew Escape System. RONALD H. SCHACK, Director, Titan IIIM Launch Vehicle Program, and ROBERT R. WOLFE, Assistant Director, MOL Systems Safety, Aerospace Corporation, El Segundo, California.

The capability of the Gemini B Spacecraft to successfully abort from all Titan IIIM primary failure modes during ascent is analyzed in detail. Tradeoff studies of several configurations are presented, including an escape tower, adapter propulsion, and additional retrograde rockets. The Titan IIIM malfunction detection system is defined, which, when combined with the selected Gemini B configuration, provides an escape capability for all significant failure modes during ascent. The selection of a launch vehicle redundancy mechanization is described based on vehicle-related parameters such as abort warning time, vehicle motions and single failure modes, as well as system performance, weight, and development risk. Candidate guidance and control redundancy configurations included the Gemini Launch Vehicle sense-and-switch technique, a pilot-copilot digital computer system, and several majority vote systems. A three channel overpowering majority vote system was selected which essentially eliminates all mission single modes of failure in the guidance and control system.

Atch 1

22 June 1967

Mr. Donald H. Schack
Director Titan IIIM
Aerospace Corporation
2350 E. El Segundo Boulevard
El Segundo, California

RE: "Launch Crew Escape System"

Dear Mr. Schack:

We are delighted to confirm the invitation of the Program Committee for you to present a paper at the AIAA 4th Annual Meeting and Technical Display to be held 23-27 October 1967 at the Anaheim Convention Center, Anaheim, California.

This acceptance assumes that we will receive your manuscript (cleared, if necessary) for reprinting purposes by 28 AUGUST here at AIAA Headquarters, typed on the enclosed "Copy Sheets". For preprints of papers to be available at the meeting, it is essential that this deadline date be met. Security Officers have requested that they be informed of this AIAA date when submitting papers to them for clearance. (Please allow 4 to 6 weeks for this clearance). For your guidance we are enclosing typing instructions, guideline for the preparation of slides and our Form A which we would appreciate your filling out and returning to us. In order to improve the presentability of slides, your Session Chairman must review and accept them before presentation. Therefore, please forward to him a reproduction of each slide you plan to use.

The OCTOBER issue of the AIAA BULLETIN will contain the complete program of the meeting, including abstracts of all the papers presented. An abstract of your paper of not more than 200 words must be available by 17 JULY in order to be included in this issue. Sample abstracts and preparation instructions are enclosed. PLEASE NOTE: This BULLETIN ABSTRACT is NOT to be confused with proposal abstract previously submitted. These BULLETIN ABSTRACTS are essential to a complete and successful meeting. Please comply.

To summarize, please forward to AIAA Headquarters the following:

1. An abstract of your paper of not more than 200 words by 17 JULY, and
2. Original manuscript of your paper typed on the sheets provided by 28 AUGUST.
   (A copy of your paper, together with a short biography and reproductions of each of the slides should be sent to your Session Chairman).

We are happy that the Committee selected your paper for the program, and we look forward to working with you. If we can be of assistance to you in any way, please feel free to call on us.

Cordially,

Ruthe Meyers
Program Coordinator

rm/rm
cs.

Atch 2

cc: Session Chairman - Mr. Scott Crossfield, Technical Director/Research, Engineering