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5400	5/7/59	JAB		MAY 7 1959 5403-UM
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SUBJECT Combination of TRANSIT and TATTLETALK Payloads; investigation of (G)		

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DEPARTMENT OF THE NAVY  
BUREAU OF ORDNANCE  
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From: Chief, Bureau of Ordnance

To: Chief of Naval Operations (Op-91)  
Department of the Navy  
Washington 25, D. C.

29 APR 1959

Subj: Combination of TRANSIT and TATTLETALE Payloads; investigation  
of (c)

Ref: (a) CNO Sec ltr Ser 00182P91 of 20 Apr 1959 to BuOrd *002549*

1. In accordance with the request made by reference (a), the feasibility of combining the TATTLETALE and TRANSIT payloads has been investigated. Since the design specifications for both the TRANSIT payload and the launching vehicle have been finalized and extensive work has been done on the actual fabrication and testing of component units, it is considered impossible to incorporate the TATTLETALE payload and meet the scheduled launching date of NAV-I in August 1959. If it were arbitrarily decided, however, to hold NAV-I until a marriage of the payloads could be accomplished, it is estimated that the launching of NAV-I could be made no earlier than December 1959. It should be noted that this is purely a Bureau of Ordnance estimate and that its acceptability to the Advanced Research Projects Agency and the Ballistic Missile Division has not been ascertained. In consideration of the extremely difficult scheduling problem with which the BMD is confronted, it is entirely possible that re-scheduling NAV-I would result in a delay approaching eight to ten months. With regard to the cost of an extended delay in terms of lost effort, it is estimated that approximately two to three million dollars would be unrecoverable. A third consideration is the unfavorable impact which any delay in the TRANSIT program would have on POLARIS.

2. While the urgency of getting TATTLETALE in orbit is clearly understood and recognized, it is believed that the best course of action is to schedule TATTLETALE as a part of the NAV-II payload which is planned for launching in February-March 1960. The feasibility of this plan has been checked and appears to be satisfactory in all respects. Accordingly, it is recommended that no attempt be made to include TATTLETALE in the NAV-I payload, but that it be made a part of the NAV-II shot in early 1960.

*1020 VBB 30 JP 45*

Copy to:  
NRL  
ONR  
CNO (Op-92)

Assistant Chief of Bureau for Research

by: *Bu Ord*  
Review on: *29 Apr 1959*

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