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209-NAV

Office of the Secretary of Defense 5 U.S.C. 552
Chief, RDD, ESD, WHS
Date: 26 FEB 1974 Authority: EO 13526
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MDR: 13-M-4620

18 SEP 1974

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Chief, Records & Declass Div, WHS
Date: FEB 26 2014

MEMORANDUM FOR ASSISTANT SECRETARY OF THE AIR FORCE (345)

SUBJECT: Air Force Applications of Expanded NAVSTAR Test Capabilities (U)

REFERENCE: ODR&E Memo for SecNav & SecAF, Subject, "Use of NAVSTAR for SLBM Improved Accuracy Test Support", 23 Aug 1974

(U) In the referenced memorandum, I requested that NAVSTAR be used to provide tracking data in support of the Navy's FBM Improved Accuracy Program. The development of the SLBM missile transceiver and of the missile data collection and processing system for use with NAVSTAR, together with the enhanced NAVSTAR satellite coverage, afford a unique opportunity for programs to benefit where a like capability is needed.

(U) To exploit fully the advantages of this expanded and enhanced test capability, the Air Force should examine the potential application of the NAVSTAR/SLBM test techniques to test range operations for accuracy and range safety measurements. The NAVSTAR/SLBM test concept should be considered for use in conjunction with testing of the Missile Performance Measurement System, as well as for instrumenting the development of the M-X guidance system. Full advantage should be taken and utilization made of the development of the SLBM missile transceivers and ground receiver and processing equipment. Initial validation of the system could take place on ARRES and/or Minuteman support flights.

MAC PS

Another potential application of the hardware developed for this NAVSTAR/SLBM instrumentation capability is to a guidance technique. In this application one could either initialize or correct a boost phase or terminal guidance system. Potential applications like this should be examined.

(U) You are requested to prepare a utilization plan to show how these technologies may be incorporated in the M-X and other strategic missile development test and evaluation. Funding support of this effort should be accomplished under the Advanced ICBM Technology (M-X) Program. These efforts should not adversely impact successful accomplishment of either the Navy's FBM Improved Accuracy Program or the approved GPS Program concept validation phase.

(U) Plans and recommendations should be provided to me by 13 October 1974.

66) 5 U.S.C. § 552(b)(6)

10135Brentnall/30 Aug 74

36100ray/5 Sep 74

[Redacted] 11 Sep 74

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Malcolm R. Curtis

13-M-4620