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~~CONFIDENTIAL~~

Office of the Secretary of Defense *U.S.C. 552*
Chief, RDD, ESD, WHS

Date: *26 FEB 2014* Authority: EO 13526

Declassify: X Deny in Full: _____

Declassify in Part: _____

Reason: *U.S.C. 552(b)(6)*

MDR: *13 -M-4621*

DECLASSIFIED IN FULL
Authority: EO 13526
Chief, Records & Declass Div, WHS
Date: FEB 26 2014

MEMORANDUM FOR ASSISTANT SECRETARY OF THE AIR FORCE (ASD)

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

REFERENCE: OSD&R News for Declev & SecAF, Subjects: "Use of NAVSTAR for SLBM Improved Accuracy Test Support", 13 Aug 1974

(1) 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 missile transceiver and of the missile data collection and processing system for use with NAVSTAR, together with the enhanced NAVSTAR satellite coverage, affords a unique opportunity for programs to benefit where a like capability is needed.

(2) To exploit fully the advantages of this expanded and enhanced test capability, the Air Force should examine the potential application of the NAVSTAR/TRIDENT 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 missile transceivers and ground receiver and processing equipment. Initial verification of the system could take place on ABRES and/or Minuteman support flights.

(3) 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.

(4) 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 GTS Program concept validation phase.

(5) Plans and recommendations should be provided to me by 15 October 1974.

OSD 5 U.S.C. § 552(b)(6)

ColBrentnall/env/30 Aug 74

CGToomey/env/5 Sep 74

Retyped: ColBrentnall/env/11 Sep 74

Malcolm A. Currie

AD(S&AS)

LD (S&SS)

~~Classified by OAD(SYAS)
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13-M-4621

12/31/80

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Authority: EO 13526
Chief, Records & Declass Div, WHS
Date: FEB 26 2014

MEMORANDUM FOR ASSISTANT SECRETARY OF THE AIR FORCE (R&D)

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

REFERENCE: DRRM Memo for Scullow & Soray, Subject: "Use of NAVSTAR for ARES Improved Accuracy Test Support", 23 Aug 1974

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

(2) To exploit fully the advantages of this expanded and enhanced test capability, the Air Force should consider the potential application of the NAVSTAR/TRIDENT test techniques to test range operations for accuracy and range safety measurements. The NAVSTAR/TRIDENT 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 NAVSTAR/TRIDENT missile transmitters and ground receiver and processing equipment. Initial validation of the system could take place on ARES and/or MISTRAM support flights.

(3) Another potential application of the hardware developed for this NAVSTAR/TRIDENT 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 considered.

(4) 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 IIRM Technology (M-X) Program. These efforts should not adversely impact successful accomplishment of either the Navy's FHM Improved Accuracy Program or the approved GPS Program concept validation phase.

(5) Plans and recommendations should be provided to me by 15 October 1974.

Colbert/30 Aug 74

Rewritten: BG Toomey/emv/5 Sep 74

Malcolm I. Currie

AD(S&AS)

DD (S&AS) Col B. Toomey
9 SEP 1974

Classified by 040/SYAS
SUBJECT TO GENERAL DECLASSIFICATION SCHEDULE OF
EXECUTIVE ORDER 11652, AUTOMATICALLY DOWNGRADED
AT 5 YEAR INTERVALS. DECLASSIFIED ON 02/26/2014

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