



RESEARCH AND  
ENGINEERING

~~CONFIDENTIAL~~

OFFICE OF THE UNDER SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301

1307  
X 102-1616

DECLASSIFIED IN FULL  
Authority: EO 13526  
Chief, Records & Declass Div, WHS  
Date: JUN 11 2015

30 JUN 1980

MEMORANDUM FOR ASSISTANT SECRETARY OF DEFENSE (C<sup>3</sup>I)

SUBJECT: NAVSTAR GPS Program

(U) In view of the Air Force POM submission which places four replenishment satellites (NAVSTARs 9-12) in the "Super Enhanced" Band, I would like to provide you with our current and projected needs for GPS to support the on-going FBM Improved Accuracy Program and a follow-on SLBM Modernization Program.

(U) Four of the six satellites in orbit are providing satisfactory tracking information for the Improved Accuracy Program, which uses NAVSTAR to measure accurately the trajectories of TRIDENT I missile operational test flights. While five satellites provide optimum coverage, four provide the minimum useful coverage for TRIDENT I operational test flights.

(U) I anticipate a continuing Navy requirement for maintenance of GPS support. Evaluation of the TRIDENT I missiles launched in the Pacific with the SATRACK system is viewed as an integral part of the SLBM Modernization Program. The TRIDENT I Operational Test Program for TRIDENT SSBNs in the Pacific begins in FY 1983 and will continue each year thereafter. SLBM launch from a TRIDENT hull and trajectories in the Pacific represent new accuracy performance elements that require evaluation in direct support of the SLBM Modernization Program.

(U) The need for GPS to support SATRACK in the TRIDENT II program, assuming go-ahead in FY 1983, will begin with development flight tests in early FY 1987 and continue at least through the first 40 TRIDENT II operational flight tests (1991).

(U) In summary, Air Force plans to terminate procurement of replenishment satellites will have an impact on our current effort. Failure to have at least five operational NAVSTARs during 1982-1991 would be detrimental to our planned SLBM Modernization Program.

Department of the Navy  
DON/AA DRMD  
Date: ~~30 Jun 80~~ Authority: EO 13526  
Declassify: ~~X~~ Deny in Full: \_\_\_\_\_  
Declassify in Part: \_\_\_\_\_  
Reason: \_\_\_\_\_  
MDR 13 -M- 473A

/s/ Sy  
S. L. Zeiberg  
Deputy Under Secretary  
(Strategic & Space Systems)

~~Classified by DUSBRE (SSS).~~  
~~Review on 20 June 1986.~~

~~CONFIDENTIAL~~

Capt Shearer/cag/OD (CMS)  
3E139/x57036/30 Jun 80

MGRS (2)  
SSS CHRON  
CMS COMEBACK  
CMS CHRON  
CAPT Shearer

13-M-4732