

# MIR MARKER

This is not a textual record. This is used as an administrative marker by the Clinton Presidential Library Staff.

Original OA/ID Number: 4088				
Document ID: 0002839				
Row: 47	Section: 2	Shelf: 6	Position: 1	Stack: V

# Withdrawal/Redaction Sheet

## Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
<del>001a. memo</del>	<del>Samuel Berger and Neal Lane to POTUS re: Recommendation to Discontinue Use of Selective Availability on GPS (2 pages)</del>	<del>04/28/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
001b. memo	Secretary William Cohen to Berger and Lane re: Recommendation to the President on Discontinuance of GPS Selective Availability (2 pages) <i>Partial release - KBH 9/21/2018</i>	04/26/2000	P1/b(1)
<del>001c. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>001d. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>001e. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>001f. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (1 page)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>002a. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/28/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
002b. memo	Cohen to Berger and Lane re: Recommendation to the President on Discontinuance... (2 pages) <i>Partial release - KBH 9/21/2018</i>	04/26/2000	P1/b(1)
<del>002c. memo</del>	<del>Betsy Pimentel and Charles Huettner to Berger and Lane re: Presidential Decision on Selective Availability for GPS (1 page)</del>	<del>04/26/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>002d. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>
<del>002e. memo</del>	<del>Berger and Lane to POTUS re: Recommendation to Discontinue Use (2 pages)</del>	<del>04/00/2000</del>	<del>P1/b(1) KBH 9/21/2018</del>

**COLLECTION:**

Clinton Presidential Records  
 NSC Records Management  
 ([GPS])  
 OA/Box Number: 4088

**FOLDER TITLE:**

0002839

2015-0517-M  
rs1207

**RESTRICTION CODES**

Presidential Records Act - [44 U.S.C. 2204(a)]

Freedom of Information Act - [5 U.S.C. 552(b)]

- P1 National Security Classified Information [(a)(1) of the PRA]
- P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
- P3 Release would violate a Federal statute [(a)(3) of the PRA]
- P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
- P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
- P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

- b(1) National security classified information [(b)(1) of the FOIA]
- b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
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- b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
- b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
- b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

- C. Closed in accordance with restrictions contained in donor's deed of gift.
- PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).
- RR. Document will be reviewed upon request.

# Withdrawal/Redaction Sheet

## Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
002f. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (2 pages)	04/00/2000	P1/b(1) KBH 9/21/2018
002g. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (1 page)	04/00/2000	P1/b(1) KBH 9/21/2018
002h. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (2 pages)	04/00/2000	P1/b(1) KBH 9/21/2018
002i. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (2 pages)	04/00/2000	P1/b(1) KBH 9/21/2018
002j. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (2 pages)	04/00/2000	P1/b(1) KBH 9/21/2018
002k. memo	Berger and Lane to POTUS re: Recommendation to Discontinue Use... (1 page)	04/00/2000	P1/b(1) KBH 9/21/2018

**COLLECTION:**

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2015-0517-M  
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~~SECRET~~  
NSC/RMO PROFILE

RECORD ID: 0002839  
RECEIVED: 26 APR 00 11

TO: COHEN, W

FROM: PRESIDENT

DOC DATE: 28 APR 00  
SOURCE REF:

KEYWORDS: TELECOMMUNICATIONS CM  
PDD

PERSONS:

SUBJECT: DIRECTION TO DISCONTINUE USE OF SELECTIVE AVAILABILITY

ACTION: PRESIDENT SGD MEMO DUE DATE: 02 MAY 00 STATUS: C

STAFF OFFICER: PIMENTEL LOGREF:

FILES: IFD NSCP: PDD0006 CODES:

D O C U M E N T D I S T R I B U T I O N

FOR ACTION

FOR CONCURRENCE

FOR INFO  
NSC CHRON  
PIMENTEL

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DISPATCHED BY \_\_\_\_\_ DATE \_\_\_\_\_ BY HAND W/ATTCH

OPENED BY: NSGP CLOSED BY: NSGP DOC 4 OF 4

~~SECRET~~

DECLASSIFIED  
E.O. 13526, Sec. 3.5 (b)  
White House Guidelines, September 11, 2006  
By KRM/NARA, Date 5/11/2018  
2015-0517-M

ACTION DATA SUMMARY REPORT

DOC ACTION OFFICER

CAO ASSIGNED ACTION REQUIRED

001 PIMENTEL  
002 BERGER  
003 PRESIDENT  
004

Z 00042620 PREPARE MEMO FOR BERGER  
Z 00042711 FWD TO PRESIDENT FOR SIGNATURE  
Z 00042811 FOR SIGNATURE  
X 00050105 PRESIDENT SGD MEMO

DISPATCH DATA SUMMARY REPORT

DOC DATE DISPATCH FOR ACTION

DISPATCH FOR INFO

003 000428  
003 000428  
004 000428 COHEN, W

VICE PRESIDENT  
WH CHIEF OF STAFF

NATIONAL SECURITY COUNCIL  
THE WHITE HOUSE

4/27  
411pm

PROOFED BY: \_\_\_\_\_ LOG # 2839  
 URGENT NOT PROOFED: DA SYSTEM RRS INT ARS  
 BYPASSED WW DESK: \_\_\_\_\_ DOCLOG DA A/O \_\_\_\_\_

	SEQUENCE TO	INITIAL/DATE	DISPOSITION
<u>(initials)</u> GIRE			
JACOBSON			
POWELL			
BASH	<u>1</u>	<u>DD/4/22</u>	
BRADTKE			
RUDMAN	<u>2</u>	<u>RR/4/26</u>	
STEINBERG	<u>3</u>		
BERGER	<u>4</u>	<u>(initials)</u>	
SITUATION ROOM			
WEST WING DESK	<u>5</u>	<u>(initials)</u>	<u>(initials)</u>
RECORDS MGMT.	<u>6</u>		<u>(initials)</u>

A = ACTION I = INFORMATION D = DISPATCH R = RETAIN N = NO FURTHER ACTION

Copy of memo to DDD Washfaucet  
 CC: ON 4/26, 8pm to DDD Exercise SLB-  
DA GRS Package.

COMMENTS: GPS  
They want  
for us around ad  
this today (mms)

30 APR 26 PM 8:37  
 EXEC SEC OFFICE HAS DISKETTE yes  
-Asstol

THE WHITE HOUSE

WASHINGTON

April 28, 2000

MEMORANDUM FOR THE SECRETARY OF DEFENSE

SUBJECT: Direction to Discontinue the Use of Selective Availability

The Department of Defense is directed to set the Selective Availability level on all GPS satellites to zero. These changes will take effect no earlier than 0001Z on May 2, 2000 and no later than 1000Z on May 2, 2000. Anti-Spoof will remain operational on all GPS satellites. The Department should take no action which would prevent Selective Availability from being reactivated in the future.

William J. Clinton

# URGENT

TIME OF TRANSMISSION:

TIME OF RECEIPT:

**WHITE HOUSE  
SITUATION ROOM**

PRECEDENCE

CLASSIFICATION:

RELEASER: NR

**IMMEDIATE**

**UNCLASSIFIED**

DATE/TIME:

**APRIL 28, 2000**

2003

MESSAGE #:

1053

FROM:

ROBERT A. BRADTKE / NSC

PH: 456-9425

ROOM:

SITROOM

SUBJECT:

DIRECTION TO DISCONTINUE THE USE OF SELECTIVE  
AVAILABILITY

PAGES: 2

**PLEASE DELIVER TO:**

<u>LOCATION</u>	<u>DELIVER TO</u>	<u>ROOM</u>	<u>PHONE</u>
12 -- DEFENSE	M. Cribbs / Executive Secretary		

SPECIAL DELIVERY INSTRUCTIONS/REMARKS:

FOR URGENT DELIVERY TO SEC DEFENSE COHEN. HARD COPY TO FOLLOW.

# URGENT

00 APR 28 010185

THE WHITE HOUSE  
WASHINGTON

April 28, 2000

**DECLASSIFIED**  
**PER E.O. 13526**  
2015-0517-M (1.01)  
5/11/2013 KBN

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Secretary Bill Cohen assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS." For this reason, he recommends that SA be discontinued at the earliest opportunity (Tab B). Bill states that the risk of GPS exploitation by adversaries is low and DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs Bill to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and SA may be useful in the unlikely event of a rapidly emerging unanticipated threat. Your letter also directs that the Anti-Spoof capability for GPS remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion.

#### RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

#### Attachments

Tab A Implementation Letter to Secretary Cohen  
Tab B Incoming Correspondence from DOD

# Withdrawal/Redaction Marker

## Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
001b. memo	Secretary William Cohen to Berger and Lane re: Recommendation to the President on Discontinuance of GPS Selective Availability [partial] (2 pages)	04/26/2000	P1/b(1)

### COLLECTION:

Clinton Presidential Records  
NSC Records Management  
([GPS])  
OA/Box Number: 4088

### FOLDER TITLE:

0002839

2015-0517-M  
rs1207

### RESTRICTION CODES

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RR. Document will be reviewed upon request.

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- b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

SECRET NOFORN



THE SECRETARY OF DEFENSE  
1000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1000

DECLASSIFIED IN PART  
PER E. O. 13526

2015-0517-M (1.03)  
5/11/2018 KBH

APR 26 2000

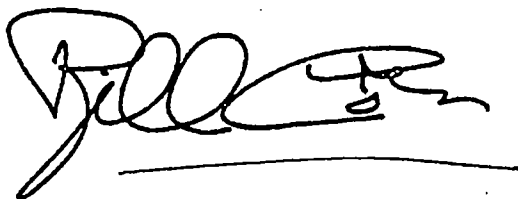
MEMORANDUM FOR ASSISTANT TO THE PRESIDENT FOR SCIENCE AND  
TECHNOLOGY POLICY  
ASSISTANT TO THE PRESIDENT FOR NATIONAL  
SECURITY AFFAIRS

SUBJECT: (U) Recommendation to the President on Discontinuance of Global  
Positioning System Selective Availability

EO 13526 1.4a

EO 13526 1.4a

(U) This recommendation has been coordinated with the Secretary of State, Secretary of Transportation, Secretary of Commerce and Director of Central Intelligence.

A handwritten signature in black ink, appearing to be "Jill" followed by a stylized surname, with a horizontal line underneath.

THE WHITE HOUSE  
WASHINGTON

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

DECLASSIFIED  
PER E.O. 13526  
2015-0517-M (1.05)  
5/11/2018 KBM

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill recommends that SA be discontinued at the earliest opportunity (Tab B). ~~Such action will encourage acceptance and integration of GPS into civil, commercial, and scientific applications worldwide without negative impact to national security. The PDD called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year.~~ Bill states that ~~the military utility of SA is limited and~~ the risk of GPS exploitation by adversaries is low. <sup>and</sup> DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

*assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS accuracy."*  
*For this reason, he*

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs ~~DOB~~ <sup>Bill</sup> to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and SA may be useful ~~if our national interests are threatened.~~ <sup>in the unlikely event of</sup> Your letter also directs that the Anti-Spoof capability for GPS remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion.

*by a rapidly emerging unanticipated threat.*

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

DECLASSIFIED  
PER E.O. 13526  
2015-0517-M (1.07)  
5/11/2018 KBH

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS) (✓)

Purpose

To obtain your decision regarding discontinuation of the use of Selective Availability (SA) on GPS. (✓)

Background

①

The ~~Global Positioning System~~<sup>GPS</sup> is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide us with a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide. (U)

Such action will w/o negative impact maintain national security.

Your March 1996, PDD/NSTC-6 ~~stated our goals for GPS including to strengthen and maintain our national security while at the same time encouraging acceptance and integration of GPS into civil, commercial, and scientific applications worldwide.~~ <sup>Provide GPS to</sup> As part of achieving these goals, the PDD further called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year. (U)

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill has

②

DOD has forwarded this initial assessment (Tab B) and recommends that the use of SA be discontinued at the earliest opportunity. This recommendation has been coordinated with relevant departments and agencies and all are supportive. The ~~DOE~~ <sup>Bill states</sup> recommendation is based on the assessment that the military utility of SA is limited and that the risk of GPS exploitation by adversaries through 2008 is low. DOD has demonstrated the capability to block GPS signals on a regional basis should an

~~SECRET NOFORN~~

Classified by: Samuel Berger  
Reason: 1.5(a,b,d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

unexpected threat emerge. Also, there are many augmentation methods for GPS that allow very precise accuracy even with SA ~~in use~~, use on. These augmentations are difficult to circumvent. It is, therefore, in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. (S)

3

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. These civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This increase in accuracy will allow new GPS applications to emerge and continue to improve the lives of people in the U.S. and around the world. (U)

4 It is

We have completed coordination with our allies, and they are supportive of this action. This is a good time to make the SA decision as we hope to influence the Europeans who are weighing whether to pursue development of their own, called Galileo. We hope to discourage them from proceeding. (S)

The implementation letter directs DOD to discontinue use of SA, but not to remove the capability from the GPS system. High costs are associated with its removal, and we want to preserve the ability to use SA if our national interests are threatened. Additionally, the letter directs that the Anti-Spoof capability for GPS, which is part of the SA module that protects the system from intrusion, should remain operational. (S)

RECOMMENDATION

That you sign the letter to Secretary Cohen directing DOD to discontinue use of SA on GPS. (U)

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Package from DOD

Correspondence

SA Decision now may be useful

Removal of SA is costly AND WE MAY

what is?

If have the read something to explain what it means.

THE WHITE HOUSE

WASHINGTON

MEMORANDUM FOR THE SECRETARY OF DEFENSE

SUBJECT: Direction to Discontinue the Use of Selective Availability

The Department of Defense is directed to set the Selective Availability level on all GPS satellites to zero. These changes will take effect no earlier than 0001Z on 2 May 2000 and no later than 1000Z on 2 May 2000. Anti-Spoof will remain operational on all GPS satellites. The Department should take no action which would prevent Selective Availability from being reactivated in the future.

*may 2, 2000*

THE WHITE HOUSE  
WASHINGTON

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

DECLASSIFIED  
PER E.O. 13526  
2015-0517-M (1.09)  
5/11/2018 KBH

Purpose

Obtain your decision regarding discontinuation ~~of the use of~~ Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PD/NSTC06), Bill recommends that SA be discontinued at the earliest opportunity (Tab B). Such action will encourage acceptance and integration of GPS into civil, commercial, and scientific applications worldwide without negative impact to national security. ~~As part of achieving these goals,~~ the PDD called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year. Bill states that the military utility of SA is limited and the risk of GPS exploitation by adversaries is low. DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs DOD to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and ~~we may use SA~~ <sup>MAX CA USE TV!</sup> if our national interests are threatened. Your letter also directs that the Anti-Spoof capability for GPS ~~should~~ remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion. ✓

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

Tab A Implementation Letter to Secretary Cohen

Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

**DECLASSIFIED**  
**PER E.O. 13526**  
2015-0517-M (1-11)  
5/11/2018 KBA

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

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Following the objectives established by your March 1996 directive (PDD/NSTC-6), ~~Bill~~ assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS." For this reason, he recommends that SA be discontinued at the earliest opportunity (Tab B). Bill states that the risk of GPS exploitation by adversaries is low and DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

*Secretary Bill Cohen - per LANE request 4-27*  
*LB*

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

SECRET

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

## Gray, Wendy E. (NSA)

---

**From:** Binnendijk, Johannes A. (Hans) (DEFENSE)  
**Sent:** Thursday, April 27, 2000 12:53 PM  
**To:** Gray, Wendy E. (NSA)  
**Subject:** RE: package 2839 - SA for GSP ~~{SECRET}~~

Wendy, Betsy and I have read the changes and we both concur. Thanks. Hans

-----Original Message-----

**From:** Gray, Wendy E. (NSA)  
**Sent:** Thursday, April 27, 2000 12:43 PM  
**To:** Pimentel, Betsy J. (DEFENSE)  
**Cc:** @DEFENSE - Defense Policy; @EXECSEC - Executive Secretary  
**Subject:** package 2839 - SA for GSP ~~{SECRET}~~  
**Importance:** High

DECLASSIFIED  
E.O. 13526, Sec. 3.5 (b)  
White House Guidelines, September 11, 2006  
By ~~KBM~~ NARA, Date 5/11/2018  
2015-0517-M

Hello Betsy!

The subject package, attached below, has been significantly edited by Brooks and Mara. Before going any further we want to be sure we've made no substantive errors.

Thanks!

<< File: 2839 Implementation letter to SECDEF.doc >> << File: 2839 POTUS Decision Memo on SA.doc >> << File: 2839 SRB Memo on SA.doc >>

TO: COHEN, W

FROM: PRESIDENT

DOC DATE: 28 APR 00  
SOURCE REF:

KEYWORDS: TELECOMMUNICATIONS CM  
PDD

PERSONS:

SUBJECT: DIRECTION TO DISCONTINUE USE OF SELECTIVE AVAILABILITY

ACTION: PRESIDENT SGD MEMO DUE DATE: 02 MAY 00 STATUS: C

STAFF OFFICER: PIMENTEL LOGREF:

FILES: IFD NSCP: PDD0006 CODES:

DOCUMENT DISTRIBUTION

FOR ACTION

FOR CONCURRENCE

FOR INFO  
NSC CHRON  
PIMENTEL

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DISPATCHED BY SP DATE 5/01 BY HAND W/ATTCH

OPENED BY: NSGP CLOSED BY: NSGP DOC 4 OF 4

ACTION DATA SUMMARY REPORT

DOC ACTION OFFICER

CAO ASSIGNED ACTION REQUIRED

001 PIMENTEL  
002 BERGER  
003 PRESIDENT  
004

Z 00042620 PREPARE MEMO FOR BERGER  
Z 00042711 FWD TO PRESIDENT FOR SIGNATURE  
Z 00042811 FOR SIGNATURE  
X 00050105 PRESIDENT SGD MEMO

DISPATCH DATA SUMMARY REPORT

DOC DATE DISPATCH FOR ACTION

DISPATCH FOR INFO

003 000428  
003 000428  
004 000428 COHEN, W

VICE PRESIDENT  
WH CHIEF OF STAFF

Log # 2839

**ADDITIONAL COMMENTS**

Fm DD To MER Date 4/26

Another "challenging" letter -  
Recommend you forward to SRB.

**NATIONAL SECURITY COUNCIL  
THE WHITE HOUSE**

4/27  
4:11pm

PROOFED BY: \_\_\_\_\_ LOG # 2839  
 URGENT NOT PROOFED: DA SYSTEM FRS INT ARS  
 BYPASSED WW DESK: \_\_\_\_\_ DOCLOG DA A/O \_\_\_\_\_

<u>DA</u>	SEQUENCE TO	INITIAL/DATE	DISPOSITION
GIRE	_____	_____	_____
JACOBSON	_____	_____	_____
POWELL	_____	_____	_____
BASH	<u>1</u>	<u>DD/4/26</u>	_____
BRATKE	_____	_____	_____
RUDMAN	<u>2</u>	<u>MM/4/26</u>	_____
STEINBERG	<u>3</u>	_____	_____
BERGER	<u>4</u>	<u>[Signature]</u>	_____
SITUATION ROOM	_____	_____	_____
WEST WING DESK	<u>5</u>	<u>[Signature] 4/26</u>	<u>[Signature]</u>
RECORDS MGMT.	<u>6</u>	_____	<u>D</u>

A = ACTION I = INFORMATION D = DISPATCH R = RETAIN N = NO FURTHER ACTION

Copy of memo to Dad Washfaced  
 CC: ON 4/26, 8pm to DOD Execsec SRB-  
 DA GPS PACKAGE.  
 COMMENTS: GPS THEY WANT  
 POTUS ACTION ON  
 THIS TODAY (FRS)  
 EXEC SEC OFFICE HAS DISKETTE yes  
 - [Signature]

00 APR 28 AM 8:37

NATIONAL SECURITY COUNCIL  
THE WHITE HOUSE

4/27  
4:10 PM

PROOFED BY: \_\_\_\_\_ LOG # 2839  
 URGENT NOT PROOFED: DA SYSTEM FRS INT ARS  
 BYPASSED WW DESK: \_\_\_\_\_ DOCLOG DA A/O \_\_\_\_\_

NAME	SEQUENCE TO	INITIAL/DATE	DISPOSITION
GIRE			
JACOBSON			
POWELL			
BASH	1	DD/4/26	
BRADTKE			
RUDMAN	2	WR/4/26	
STEINBERG	3		
BERGER	4		
SITUATION ROOM			
WEST WING DESK	5		
RECORDS MGMT.	6		

A = ACTION I = INFORMATION D = DISPATCH R = RETAIN N = NO FURTHER ACTION

Copy of memo to DAD Washfawed  
 CC: ON 4/26, 8pm to DDD Exercise SLB-  
 DA GRS PREKAKE.

COMMENTS: GPS  
 They want  
 focus around  
 this today (ins)

90 APR 26 PM 8:37

EXEC SEC OFFICE HAS DISKETTE yes  
 - Astor

THE WHITE HOUSE

WASHINGTON

April 28, 2000

MEMORANDUM FOR THE SECRETARY OF DEFENSE

SUBJECT: Direction to Discontinue the Use of Selective  
Availability

The Department of Defense is directed to set the Selective Availability level on all GPS satellites to zero. These changes will take effect no earlier than 0001Z on May 2, 2000 and no later than 1000Z on May 2, 2000. Anti-Spoof will remain operational on all GPS satellites. The Department should take no action which would prevent Selective Availability from being reactivated in the future.

*William J. Clinton*  
\_\_\_\_\_→

00 APR 28 AM 10:25

THE WHITE HOUSE  
WASHINGTON

April 28, 2000

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

**DECLASSIFIED**  
**PER E.O. 13526**  
2015-0517-M (1.13)  
5/11/2018 KBH

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Secretary Bill Cohen assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS." For this reason, he recommends that SA be discontinued at the earliest opportunity (Tab B). Bill states that the risk of GPS exploitation by adversaries is low and DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs Bill to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and SA may be useful in the unlikely event of a rapidly emerging unanticipated threat. Your letter also directs that the Anti-Spoof capability for GPS remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion.

#### RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

#### Attachments

Tab A Implementation Letter to Secretary Cohen  
Tab B Incoming Correspondence from DOD

# Withdrawal/Redaction Marker

## Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
002b. memo	Cohen to Berger and Lane re: Recommendation to the President on Discontinuance... [partial] (2 pages)	04/26/2000	P1/b(1)

### COLLECTION:

Clinton Presidential Records  
NSC Records Management  
([GPS])  
OA/Box Number: 4088

### FOLDER TITLE:

0002839

2015-0517-M  
rs1207

### RESTRICTION CODES

#### Presidential Records Act - [44 U.S.C. 2204(a)]

- P1 National Security Classified Information [(a)(1) of the PRA]
- P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
- P3 Release would violate a Federal statute [(a)(3) of the PRA]
- P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
- P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
- P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).

RR. Document will be reviewed upon request.

#### Freedom of Information Act - [5 U.S.C. 552(b)]

- b(1) National security classified information [(b)(1) of the FOIA]
- b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
- b(3) Release would violate a Federal statute [(b)(3) of the FOIA]
- b(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
- b(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
- b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
- b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
- b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]



SECRET NOFORN

THE SECRETARY OF DEFENSE  
1000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1000

DECLASSIFIED IN PART  
PER E. O. 13526

2015-0517-M (1-15)  
5/11/2018 KBH

APR 26 2000

MEMORANDUM FOR ASSISTANT TO THE PRESIDENT FOR SCIENCE AND  
TECHNOLOGY POLICY  
ASSISTANT TO THE PRESIDENT FOR NATIONAL  
SECURITY AFFAIRS

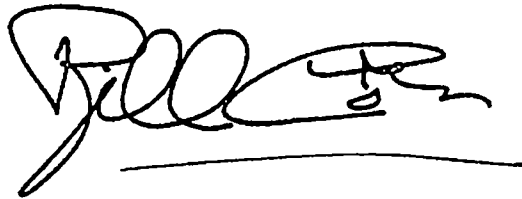
SUBJECT: (U) Recommendation to the President on Discontinuance of Global  
Positioning System Selective Availability

EO 13526 1.4a

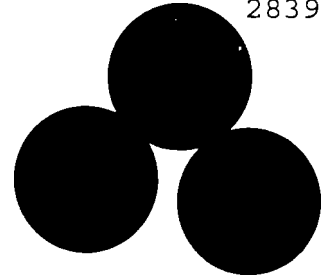
CLINTON LIBRARY PHOTOCOPY

EO 13526 1.4a

(U) This recommendation has been coordinated with the Secretary of State, Secretary of Transportation, Secretary of Commerce and Director of Central Intelligence.

A handwritten signature in black ink, appearing to be "Bill Clinton", written over a horizontal line.

NATIONAL SECURITY COUNCIL  
WASHINGTON, D.C. 20504



April 26, 2000

ACTION

MEMORANDUM FOR SAMUEL BERGER  
NEAL LANE

THROUGH: HANS BINNENDIJK <sup>HB</sup>  
DUNCAN MOORE <sup>W</sup>

FROM: BETSY PIMENTEL <sup>BP</sup>  
CHARLES HUETTNER <sup>CH</sup>

**DECLASSIFIED**  
**PER E.O. 13526**  
2015-0517-M (1.17)  
5/11/2018 KBH

SUBJECT: Presidential Decision on Selective Availability  
for the Global Positioning System (GPS) (S)

DOD has forwarded a recommendation (Tab B) to discontinue the use of Selective Availability on GPS. This recommendation is part of our overall GPS initiative under PDD/NSTC-6 to provide the best possible GPS capability to the world free of charge. The recommendation has been coordinated within the interagency and all support the recommendation to discontinue SA use. (S)

The decision is not risk-free, but the recent threat assessment shows that adversary systems using GPS for targeting have not materialized as expected. In addition, new capabilities have been demonstrated to allow us to block GPS on a regional basis if it is in our national security interest to do so. The interagency is unanimous in recommending that the risks are acceptable given the huge benefits realized from discontinuing SA. (S)

Concurrence by: Anderson, DeRosa, Yee  
*in draft* *in draft* *in draft*

RECOMMENDATION

That you forward the memo at Tab I to the President for a decision.

Attachments

- Tab I Memorandum to the President
- Tab A Implementation letter to the Secretary of Defense
- Tab B DOD Recommendation to the President

THE WHITE HOUSE  
WASHINGTON

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

DECLASSIFIED  
PER E.O. 13526

2015-0517-M (1.19)  
5/11/2013 KBH

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill recommends that SA be discontinued at the earliest opportunity (Tab B). ~~Such action will encourage acceptance and integration of GPS into civil, commercial, and scientific applications worldwide without negative impact to national security. The PDD called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year.~~ Bill states that ~~the military utility of SA is limited and~~ the risk of GPS exploitation by adversaries is low <sup>and</sup> DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

*assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS accuracy."*  
*For this reason, he*

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs ~~DOD~~ <sup>Bill</sup> to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and SA may be useful if ~~our national interests are threatened~~. Your letter also directs that the Anti-Spoof capability for GPS remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion.

*in the unlikely event of*  
*by a rapidly emerging unanticipated threat.*

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

ACTION

DECLASSIFIED  
PER E.O. 13526

2015-0517-M (1.21)  
5/11/2018 KBN

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS) (U) - ?

Purpose

To obtain your decision regarding discontinuation of the use of Selective Availability (SA) on GPS. (U)

Background

① The ~~Global Positioning System~~ <sup>GPS</sup> is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide us with a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide. (U)

Such action will w/o which negative impact maintain to national security.

Your March 1996, PDD/NSTC-6 ~~stated our goals for GPS including to strengthen and maintain our national security while at the same time encouraging acceptance and integration of GPS into civil, commercial, and scientific applications worldwide.~~ <sup>Provide GPS to</sup> As part of achieving these goals, the PDI further called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year. (U)

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill has

DOD has forwarded this initial assessment (Tab B) and recommends that the use of SA be discontinued at the earliest opportunity. (U)

This recommendation has been coordinated with relevant departments and agencies and all are supportive. The DOD

② recommendation is based on the assessment that the military utility of SA is limited and that the risk of GPS exploitation by adversaries through 2008 is low. DOD has demonstrated the capability to block GPS signals on a regional basis should an

~~SECRET NOFORN~~

cc: Vice President  
Chief of Staff

Classified by: Samuel Berger

Reason: 1.5(a,b,d)

Declassify On: X1

unexpected threat emerge. Also, there are many augmentation methods for GPS that allow very precise accuracy even with SA ~~in use, use.~~ on. These augmentations are difficult to circumvent. It is, ~~therefore,~~ therefore, in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. (S)

3

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. These civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This increase in accuracy will allow new GPS applications to emerge and continue to improve the lives of people in the U.S. and around the world. (U)

4 It is a

We have completed coordination with our allies, and they are supportive of this action. This is a good time to make the SA decision as we hope to influence the Europeans who are weighing whether to pursue development of ~~the~~ satellite navigation capability of their own, called Galileo. We hope to discourage them from proceeding. (S)

The implementation letter directs DOD to discontinue use of SA, but not to remove the capability from the GPS system. High costs are associated with its removal, and we want to preserve the ability to use SA if our national interests are threatened. Additionally, the letter directs that the Anti-Spoof capability for GPS, which is part of the SA module that protects the system from intrusion, should remain operational. (S)

RECOMMENDATION

That you sign the letter to Secretary Cohen directing DOD to discontinue use of SA on GPS. (U)

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Package from DOD

Correspondence

which is?  
 If have the  
 need something  
 to explain  
 what it means.

THE WHITE HOUSE

WASHINGTON

MEMORANDUM FOR THE SECRETARY OF DEFENSE

SUBJECT: Direction to Discontinue the Use of Selective Availability

The Department of Defense is directed to set the Selective Availability level on all GPS satellites to zero. These changes will take effect no earlier than 0001Z on 2 May 2000 and no later than 1000Z on 2 May 2000. Anti-Spoof will remain operational on all GPS satellites. The Department should take no action which would prevent Selective Availability from being reactivated in the future.

*May 2, 2000*

THE WHITE HOUSE  
WASHINGTON

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

DECLASSIFIED  
PER E.O. 13526  
2015-0517-M (1.23)  
5/11/2018 KBM

Purpose

Obtain your decision regarding discontinuation ~~of the use of~~ Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PD/NSTC06), Bill recommends that SA be discontinued at the earliest opportunity (Tab B). Such action will encourage acceptance and integration of GPS into civil, commercial, and scientific applications worldwide without negative impact to national security. ~~As part of achieving these goals, the PDD called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year.~~ Bill states that the military utility of SA is limited and the risk of GPS exploitation by adversaries is low. DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs DOD to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and ~~we may use SA~~ <sup>MAY CAUSE</sup> if our national interests are threatened. Your letter also directs that the Anti-Spoof capability for GPS ~~should~~ remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion. ✓

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

DECLASSIFIED  
PER E.O. 13526  
2015-0517-M (1.25)  
5/11/2018 KBH

ACTION

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective  
Availability on the Global Positioning System  
(GPS)

Purpose

Obtain your decision regarding discontinuation of Selective  
Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate  
location and timing data to users. The SA capability was  
designed into GPS to provide a military advantage by reducing  
the accuracy of the signal to civil and commercial users  
worldwide.

Following the objectives established by your March 1996  
directive (PDD/NSTC-6), ~~Bill~~ assessed SA and concludes that "it  
provides minimal military utility that is far outweighed by the  
economic and international benefits of improved civil GPS." For  
this reason, he recommends that SA be discontinued at the  
earliest opportunity (Tab B). Bill states that the risk of GPS  
exploitation by adversaries is low and DOD has the capability to  
block GPS signals on a regional basis should an unexpected  
threat emerge.

*Secretary Bill Cohen - part of  
LANE request  
4-27  
B*

GPS benefits civil and commercial users around the world in many  
different applications, including air, road, marine, and rail  
navigation, telecommunications, emergency response, oil  
exploration, mining, and many more. Civil users will realize up  
to a ten-fold improvement in GPS accuracy with the  
discontinuation of SA. This accuracy increase will allow new  
GPS applications to emerge and improve the lives of people in  
the U.S. and around the world.

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

**Gray, Wendy E. (NSA)**

---

**From:** Binnendijk, Johannes A. (Hans) (DEFENSE)  
**Sent:** Thursday, April 27, 2000 12:53 PM  
**To:** Gray, Wendy E. (NSA)  
**Subject:** RE: package 2839 - SA for GSP [SECRET]

DECLASSIFIED  
E.O. 13526, Sec. 3.5 (b)  
White House Guidelines, September 11, 2006  
By: KRM/NARA, Date: 5/11/2013  
2015-0517-M

Wendy, Betsy and I have read the changes and we both concur. Thanks. Hans

-----Original Message-----

**From:** Gray, Wendy E. (NSA)  
**Sent:** Thursday, April 27, 2000 12:43 PM  
**To:** Pimentel, Betsy J. (DEFENSE)  
**Cc:** @DEFENSE - Defense Policy; @EXECSEC - Executive Secretary  
**Subject:** package 2839 - SA for GSP [SECRET]  
**Importance:** High

Hello Betsy!

The subject package, attached below, has been significantly edited by Brooks and Mara. Before going any further we want to be sure we've made no substantive errors.

Thanks!

<< File: 2839 Implementation letter to SECDEF.doc >> << File: 2839 POTUS Decision Memo on SA.doc >> << File: 2839 SRB Memo on SA.doc >>

THE WHITE HOUSE  
WASHINGTON

ACTION

**DECLASSIFIED**  
**PER E.O. 13526**  
2015-0517-M (1.27)  
5/11/2018 KBM

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS)

Purpose

Obtain your decision regarding discontinuation of Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide.

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill recommends that SA be discontinued at the earliest opportunity (Tab B). ~~Such action will encourage acceptance and integration of GPS into civil, commercial, and scientific applications worldwide without negative impact to national security. The PDD called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year.~~ Bill states that the military utility of SA is limited and the risk of GPS exploitation by adversaries is low. <sup>and</sup> DOD has the capability to block GPS signals on a regional basis should an unexpected threat emerge.

*assessed SA and concludes that "it provides minimal military utility that is far outweighed by the economic and international benefits of improved civil GPS accuracy."*  
*For this reason, he*

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. Civil users will realize up to a ten-fold improvement in GPS accuracy with the

~~SECRET~~

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

cc: Vice President  
Chief of Staff

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs ~~DOD~~ <sup>Bill</sup> to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and SA may be useful ~~if our national interests are threatened.~~ <sup>in the unlikely event of</sup> Your letter also directs that the Anti-Spoof capability for GPS remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion. <sup>by a rapidly emerging unanticipated threat.</sup>

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

ACTION

DECLASSIFIED  
PER E.O. 13526

MEMORANDUM FOR THE PRESIDENT

2015-0517-M (1.29)  
5/11/2018 KBH

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective Availability on the Global Positioning System (GPS) (U) - ?

Purpose

To obtain your decision regarding discontinuation of the use of Selective Availability (SA) on GPS. (U)

Background

①

The ~~Global Positioning System~~ <sup>GPS</sup> is a dual-use satellite system providing highly accurate location and timing data to users. The SA capability was designed into GPS to provide us with a military advantage by reducing the accuracy of the signal to civil and commercial users worldwide. (U)

Such action will w/o negative impact maintain national security.

~~Your March 1996, PDD/NSTC-6 stated our goals for GPS including to strengthen and maintain our national security while at the same time encouraging acceptance and integration of GPS into civil, commercial and scientific applications worldwide. As part of achieving these goals, the PDD further called for discontinuing the use of SA no later than 2006 and required a yearly assessment of the utility of continued SA use beginning this year.~~ (U) <sup>Provide GPS to</sup>

Following the objectives established by your March 1996 directive (PDD/NSTC-6), Bill has

②

~~DOD has forwarded this initial assessment (Tab B) and recommends that the use of SA be discontinued at the earliest opportunity. This recommendation has been coordinated with relevant departments and agencies and all are supportive. The recommendation is based on the assessment that the military utility of SA is limited and that the risk of GPS exploitation by adversaries through 2006 is low. DOD has demonstrated the capability to block GPS signals on a regional basis should an~~

~~SECRET NOFORN~~

cc: Vice President  
Chief of Staff

Classified by: Samuel Berger  
Reason: 1.5(a,b,d)  
Declassify On: X1

unexpected threat emerge. Also, there are many augmentation methods for GPS that allow very precise accuracy even with SA ~~in use~~, use. on. These augmentations are difficult to circumvent. It is, therefore, in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. # (S)

3

GPS benefits civil and commercial users around the world in many different applications, including air, road, marine, and rail navigation, telecommunications, emergency response, oil exploration, mining, and many more. These civil users will realize up to a ten-fold improvement in GPS accuracy with the discontinuation of SA. This increase in accuracy will allow new GPS applications to emerge and continue to improve the lives of people in the U.S. and around the world. # (U)

4 It is a

We have completed coordination with our allies and they are supportive of this action. This is a good time to make the SA decision as we hope to influence the Europeans who are weighing whether to pursue development of a satellite navigation capability of their own, called Galileo. We hope to discourage them from proceeding. # (S)

Galileo's Development.

The implementation letter directs DOD to discontinue use of SA, but not to remove the capability from the GPS system. High costs are associated with its removal and we want to preserve the ability to use SA if our national interests are threatened.

Removal of SA is costly AND WE MAY

Additionally, the letter also directs that the Anti-Spoof capability for GPS, which is part of the SA module that protects the system from intrusion, should remain operational. # (S)

malicious Anti-Spoof capability

which is?

RECOMMENDATION

Bill

That you sign the letter to Secretary Cohen directing DOD to discontinue use of SA on GPS. # (U)

I have the reference and something to explain what it means.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Package from DOD

Correspondence

THE WHITE HOUSE

WASHINGTON

MEMORANDUM FOR THE SECRETARY OF DEFENSE

SUBJECT: Direction to Discontinue the Use of Selective  
Availability

The Department of Defense is directed to set the Selective Availability level on all GPS satellites to zero. These changes will take effect no earlier than 0001Z on 2 May 2000 and no later than 1000Z on 2 May 2000. Anti-Spoof will remain operational on all GPS satellites. The Department should take no action which would prevent Selective Availability from being reactivated in the future.

MAY 2, 2000

THE WHITE HOUSE  
WASHINGTON

ACTION

DECLASSIFIED  
PER E.O. 13526

2015-0517-M (1.31)  
5/11/2018 KBH

MEMORANDUM FOR THE PRESIDENT

FROM: SAMUEL BERGER  
NEAL LANE

SUBJECT: Recommendation to Discontinue Use of Selective  
Availability on the Global Positioning System  
(GPS)

Purpose

Obtain your decision regarding discontinuation ~~of the use of~~  
Selective Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate  
location and timing data to users. The SA capability was  
designed into GPS to provide a military advantage by reducing  
the accuracy of the signal to civil and commercial users  
worldwide.

Following the objectives established by your March 1996  
directive (PD/NSTC06), Bill recommends that SA be discontinued  
at the earliest opportunity (Tab B). Such action will encourage  
acceptance and integration of GPS into civil, commercial, and  
scientific applications worldwide without negative impact to  
national security. ~~As part of achieving these goals~~ The PDD  
called for discontinuing the use of SA no later than 2006 and  
required a yearly assessment of the utility of continued SA use  
beginning this year. Bill states that the military utility of  
SA is limited and the risk of GPS exploitation by adversaries is  
low. DOD has the capability to block GPS signals on a regional  
basis should an unexpected threat emerge.

GPS benefits civil and commercial users around the world in many  
different applications, including air, road, marine, and rail  
navigation, telecommunications, emergency response, oil  
exploration, mining, and many more. Civil users will realize up  
to a ten-fold improvement in GPS accuracy with the

~~SECRET~~

cc: Vice President  
Chief of Staff

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

discontinuation of SA. This accuracy increase will allow new GPS applications to emerge and improve the lives of people in the U.S. and around the world.

It is in our best interest to provide the highest accuracy GPS signals for civil and commercial use, and field selective denial capabilities to handle our potential adversaries. Our allies are supportive of this action. A SA decision now may be useful to influence the Europeans who are weighing whether to pursue development of the Galileo satellite navigation capability. We hope to discourage Galileo's development.

Your implementation letter directs DOD to discontinue use of SA, but maintains the capability on the GPS system. Removal of SA is costly and ~~we may use SA~~ <sup>MAX CA USE TV</sup> if our national interests are threatened. Your letter also directs that the Anti-Spoof capability for GPS ~~should~~ remain operational. Anti-Spoof capability is part of the SA module that protects the system from malicious intrusion. ✓

RECOMMENDATION

That you sign the letter to Bill directing DOD to discontinue use of SA on GPS.

Attachments

- Tab A Implementation Letter to Secretary Cohen
- Tab B Incoming Correspondence from DOD

THE WHITE HOUSE  
WASHINGTON

ACTION

DECLASSIFIED  
PER E.O. 13526

MEMORANDUM FOR THE PRESIDENT

2015-0517-M (1.33)

FROM: SAMUEL BERGER  
NEAL LANE

5/11/2018 KBH

SUBJECT: Recommendation to Discontinue Use of Selective  
Availability on the Global Positioning System  
(GPS)

Purpose

Obtain your decision regarding discontinuation of Selective  
Availability (SA) on GPS.

Background

GPS is a dual-use satellite system providing highly accurate  
location and timing data to users. The SA capability was  
designed into GPS to provide a military advantage by reducing  
the accuracy of the signal to civil and commercial users  
worldwide.

*Secretary Bill Cohen - per Dr. Lane request 4-27*  
*[Signature]*

Following the objectives established by your March 1996  
directive (PDD/NSTC-6), ~~Bill~~ assessed SA and concludes that "it  
provides minimal military utility that is far outweighed by the  
economic and international benefits of improved civil GPS." For  
this reason, he recommends that SA be discontinued at the  
earliest opportunity (Tab B). Bill states that the risk of GPS  
exploitation by adversaries is low and DOD has the capability to  
block GPS signals on a regional basis should an unexpected  
threat emerge.

GPS benefits civil and commercial users around the world in many  
different applications, including air, road, marine, and rail  
navigation, telecommunications, emergency response, oil  
exploration, mining, and many more. Civil users will realize up  
to a ten-fold improvement in GPS accuracy with the  
discontinuation of SA. This accuracy increase will allow new  
GPS applications to emerge and improve the lives of people in  
the U.S. and around the world.

~~SECRET~~

cc: Vice President  
Chief of Staff

Reason: 1.5 (a) (b) (d)  
Declassify On: X1

**Gray, Wendy E. (NSA)**

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**From:** Binnendijk, Johannes A. (Hans) (DEFENSE)  
**Sent:** Thursday, April 27, 2000 12:53 PM  
**To:** Gray, Wendy E. (NSA)  
**Subject:** RE: package 2839 - SA for GSP [SECRET]

Wendy, Betsy and I have read the changes and we both concur. Thanks. Hans

-----Original Message-----

**From:** Gray, Wendy E. (NSA)  
**Sent:** Thursday, April 27, 2000 12:43 PM  
**To:** Pimentel, Betsy J. (DEFENSE)  
**Cc:** @DEFENSE - Defense Policy; @EXECSEC - Executive Secretary  
**Subject:** package 2839 - SA for GSP [SECRET]  
**Importance:** High

DECLASSIFIED  
E.O. 13526, Sec. 3.5 (b)  
White House Guidelines, September 11, 2006  
By KBY/NARA, Date 5/11/2018  
2015-0517-M

Hello Betsy!

The subject package, attached below, has been significantly edited by Brooks and Mara. Before going any further we want to be sure we've made no substantive errors.

Thanks!

<< File: 2839 Implementation letter to SECDEF.doc >> << File: 2839 POTUS Decision Memo on SA.doc >> << File: 2839 SRB Memo on SA.doc >>