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(S) NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

May 5, 1988

MEMORANDUM FOR SECRETARY OF DEFENSE
DIRECTOR OF CENTRAL INTELLIGENCE

SUBJECT: NRO START/IN Collection Initiatives

Since our meeting with President Reagan, I have reviewed several reconnaissance intelligence alternatives for responding to the recommendations of the Senate Select Committee on Intelligence (SSCI) for additional intelligence capabilities required in the 1990s (particularly in the context of a potential START agreement). As you recall, our discussions with the President focused on

[Redacted]

(b)(1)
(b)(3)

My principal constraint in this review has been to keep the total development of both these initiatives at a reasonable level, while still addressing the needs pointed out by the SSCI.

The two options summarized below provide a range of capabilities with corresponding costs.

OPTION 1 - Preferred

[Redacted]

(b)(1)
(b)(3)

(b)(1)
(b)(3)

2

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BUDGET (dollars [redacted]):

<u>FY89</u>	<u>FY90</u>	<u>FY91</u>	<u>FY92</u>	<u>FY93</u>	<u>TOTAL</u> <u>FY89-93</u>
[redacted]					

(b)(1)
(b)(3)

DISCUSSION: Option 1 provides the earliest possible collection system improvements in support of the INF/START treaties. The (1993) [redacted] will guarantee [redacted] of all key treaty sites, including treaty-limited-item production facilities, Portal Perimeter Monitoring sites, Field Training Areas (activity monitoring), and sites selected for on-site inspection. The constellation will provide the additional treaty coverage without penalizing coverage of current intelligence requirements, and will also provide [redacted] of other areas like the Soviet [redacted]

[redacted]

[redacted]

[redacted]

OPTION 2 - Alternate

[redacted]

(b)(1) 3
(b)(3)

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[Redacted]

Same as Option 1.

(b)(1)
(b)(3)

BUDGET (dollars in [Redacted]):

FY89

FY90

FY91

FY92

FY93

TOTAL
FY89-93

[Large empty table area for budget data]

RECOMMENDATION

I recommend Option 1. It improves our collection capabilities as early as possible, and gives us the most time to prepare for the long-term compliance and monitoring phase of a START agreement. It addresses Senators Boren and Cohen's desire for improved coverage as early as possible, is considerably less costly in FY 1989 than the approach recommended by the SSCI [Redacted]

[Redacted] provides the [Redacted] schedule desired by the SSCI, and [Redacted] capability by [Redacted]

(b)(1)
(b)(3)

If Option 1 is too costly, a reasonable fallback would be Option 2. Option 2 meets the spirit of the SSCI call for improved collection capabilities, but does so at a lower cost by delaying [Redacted] operations to 1997. Option 2 would still provide the collection capabilities required for the long-term compliance and monitoring phase of a START agreement.

A recent Intelligence Community study concluded that

[Large empty table area]

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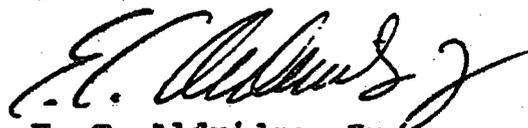
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The NRO also recognizes and supports the need for setting funding aside for improved exploitation of the additional collection that would be provided by these systems. Exploitation funding, however, is not included in the NRO options provided above.

Finally, there are still specific benefits to be gained from a [redacted] system. We are continuing to study such an initiative and intend to provide a program option in our formal budget submission to you later this spring.

(b)(1)
(b)(3)


E. C. Aldridge, Jr.

1 Attachment
Point Paper on SSCI Study
(BYE-28090/88)

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~~(S)~~ NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

THE NRO STAFF

MEMO TO THE STAFF

April 18, 1988

SUBJECT: SSCI QFR Review, 15 Apr 88

1. Mr. Keith Hall of the SSCI met with Mr. Hill and several of the NRO staff in the afternoon of 15 April to review a subset of the SSCI FY 89 Questions for the Record (QFRs). Answers to roughly half of the 81 SSCI QFRs were reviewed. Answers to the remaining QFRs will be reviewed on Wednesday or Thursday of this week. This is a change to previous plans which were to review the remaining QFRs on Tuesday, 19 Apr.

2. There are several actions required of the staff based upon the QFR review. A summary of the actions is provided below. Responses are due by 16⁰⁰ tomorrow, 20 Apr 88.

Q1: Provide an update of the color cartoon showing distribution of the Titan IV booster buys according to DoD and NRO programs.

Q7: Breakdown the BRP budget shortfall by year.

✓ Q18: Is the [redacted] all launch incentives for just two boosters?

✓ Q21: Confirm whether Col Paulson briefed to the SSCI staff last year that he had given up [redacted] costs as part of the FY 88 [redacted] reduction. Also, can we get [redacted] credit if either [redacted] launches slip?

Q24: Provide ballpark costs for the kinds of payloads described in the annex, i. e., [redacted] (b)(1) [redacted] (b)(3)

Q26: Is the [redacted] which we carry for [redacted] technology in the FY 89 budget?

Q26: What are the costs by year starting in FY 89 for a [redacted] system? Run out costs through FOC.

Q26: What are the costs by year starting in FY 89 for a [redacted] Run out costs through FOC. Consider aggregating funds beyond the FYDP.

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✓ **Q27:** Why not compare the [redacted]

Q46C: Does the [redacted] ground segment line include funds for both another control channel and another terminal? If so, can the costs be broken out?

3. Other potential issues include the following:

[redacted] availability.

(b)(1)

[redacted] System Support. Vulnerable again this year in absence of sufficient justification (QFR yet to be provided).

(b)(3)

RMS. Vulnerable due to lack of definition.

[redacted] processing upgrade. Vulnerable in light of deletion from [redacted]

[redacted] availability. Same issue as last year.

NRL MILCON. Pending justification (QFR yet to be provided).

Greg Gilles
Greg Gilles

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ANSWERS TO SSCI QUESTIONS RESULTING FROM ANSWERS TO
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THESE ANSWERS WENT TO SSCI VERY INFORMALLY HANDLE VIA BYEMAN

CONTROL CHANNELS ONLY

Q7. The NRP budget shortfall by year is as follows (dollars in

[Redacted]

FY 90 FY 91 FY 92 Total

[Redacted]

[Redacted]

Q21. The SPO has confirmed that the basis of estimate for [Redacted]
[Redacted] charges has not changed in the last year. Both the FY 1988
and the FY 1989 CBIBs estimated [Redacted] requirements of [Redacted]
[Redacted] in FY 1988, based on a launch in the [Redacted] timeframe.

The [Redacted] reduction in FY 1988 was accommodated by
[Redacted] O&M manning. Yes, if [Redacted] or

[Redacted]

(b)(1)

Q24. Ballpark FYDP costs for the options provided in the answer
to Question 24 are: [Redacted]

(b)(3)

[Large Redacted Area]

Q27. Competition of the [Redacted] is still subject to cost and
schedule trades. Our inclination is to stick with [Redacted]
to help reduce development risk, both because of their experience
with the current [Redacted] payload and their

ANSWERS TO SSCI QUESTIONS RESULTING FROM ANSWERS TO
TO FIRST SET OF QUESTIONS

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~~CONTROL CHANNELS ONLY~~

Q7. The NRP budget shortfall by year is as follows (dollars in

[Redacted]

FY 90 FY 91 FY 92 Total

[Redacted]

[Redacted]

Q21. The SPO has confirmed that the basis of estimate for [Redacted]
charges has not changed in the last year. Both the FY 1988
and the FY 1989 CEJEs estimated [Redacted] requirements of [Redacted]
[Redacted] in FY 1988, based on a launch in the [Redacted] timeframe.

(b)(1)

The [Redacted] production in FY 1988 was accommodated by
[Redacted] O&M manning. Yes, if [Redacted] or

(b)(3)

[Redacted]

Q24. Ballpark FYDP cost for the options provided in the answer
to Question 24 are:

[Large Redacted Area]

Q27. Competition of the [Redacted] is still subject to cost and
schedule trades. Our inclination is to stick with [Redacted]
to help reduce development risk, both because of their experience
with the current [Redacted] payload and their
familiarity with the new technology.

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~~INFORMATION~~ RECONNAISSANCE OFFICE
WASHINGTON, D.C.

THE NRO STAFF

6 May, 1988

MEMO FOR THE STAFF

SUBJECT: HPSCI and SSCI FY 1989 NRP Mark-up

Attached for your information are copies of the NRP portion of the HPSCI and SSCI mark sheets for the FY 1989 NFIP budget submission. The Classified Annex to the HPSCI report, which provides the accompanying language to the mark, is still in preparation and should be available next week. The SSCI Classified Annex should follow within a week of the HPSCI. A corresponding memo is being sent to Programs A, B and C.

Gregory L. Gilles
GREGORY L. GILLES, Lt Col, USAF
Deputy for Congressional Affairs

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- 1. FY 1989 HPSCI Mark
- 2. FY 1989 SSCI Mark

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FY 89 NRC MARK

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FY 1989
Request

Recommended
Change

FY 1989
Authorization

National Reconnaissance Program

Program Issues:

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Authorization Summary:
Other Procurement, Air Force
Missile Procurement, Air Force
RDT&E, Air Force
Military Construction

Total NRP

Special Navy Program

Program Issues: None

Authorization Summary:
Military Personnel, Navy
RDT&E, Navy

Total Special Navy

DoD Foreign Counterintelligence

Program Issues: None

Authorization Summary:
Military Personnel
Operations and Maintenance
Other Procurement

Total DoD/FCI

(b)(1)
(b)(3)

* MILCON separately authorized by MILCON subcommittee.

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SENATE SELECT COMMITTEE ON INTELLIGENCE (SSC)
FISCAL YEAR 1965 INTELLIGENCE AUTHORIZATION
MFIF BUDGET BY APPROPRIATION

APPROPRIATION

Operations and Maintenance

O&M Navy

O&M Defense Agencies

Subtotal O&M

Military Construction

Defense Agencies

C-1 State 187 Classified Location/Project

Subtotal MILCON

RD&E

Air Force

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Defense Agencies

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Subtotal RD&E

Procurement

Missile Procurement Air Force

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Other Procurement Air Force

F-1 Page F-33 Line 248

Procurement Defense Agencies

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F-1 Page D-2 Line 9

Subtotal Procurement

TOTAL MFIF

(b)(1)
(b)(3)

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