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**EXECUTIVE SECRETARIAT  
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SUSPENSE

Date

Remarks

To 4: Please see that name of attendee is called in.

Executive Secretary

28 Jan 86

Date

3637 (10-81)

STAT

NATIONAL SECURITY COUNCIL  
WASHINGTON, D.C. 20506

Executive Registry  
86-0767X/1

February 26, 1986

MEMORANDUM FOR:

MR. DONALD P. GREGG  
Assistant to the Vice President  
for National Security Affairs

CAPTAIN JOHN W. BITOFF  
Executive Assistant to the Chairman  
Joint Chiefs of Staff

MR. NICHOLAS PLATT  
Executive Secretary  
Department of State

MR. WILLIAM B. STAPLES  
Executive Secretary  
Arms Control & Disarmament Agency

COLONEL DAVID R. BROWN  
Executive Secretary  
Department of Defense

MR. JOHN P. McTAGUE  
Acting Director  
Office of Science & Technology Policy

MRS. HELEN ROBBINS  
Executive Asst to the Secretary  
Department of Commerce

MR. NORMAN TERRELL  
Associate Administrator for Policy  
National Aeronautics and Space  
Administration

MS. RUTH KNOUSE  
Director, Executive Secretariat  
Department of Transportation

MR. ALFRED H. KINGON  
Assistant to the President for  
Cabinet Affairs

MR. ALTON KEEL  
Associate Director for National  
Security and International Affairs  
Office of Management and Budget

MR. MICHAEL DRIGGS  
Special Assistant to the President  
for Policy Development

[Redacted]  
Executive Secretary  
Central Intelligence Agency

STAT

SUBJECT: IG(Space) Meeting - March 4, 1986

The next IG(Space) meeting will be held on Tuesday, March 4, 1986, 3:00-4:00 p.m. in Room 208 of the OEOB. Principals plus one are invited. In order to assure clearance into the OEOB, please inform Col Jerry May (395-5022) of the names of your representatives by COB March 3, 1986.

*Robert Pearson*  
Rodney B. McDaniel  
Executive Secretary

Attachment  
IG(Space) Membership List



CHAIRMAN: DONALD R. FORTIER

Members

AMBASSADOR JOHN D. NEGROPONTE  
Assistant Secretary for Oceans and International  
Environmental and Scientific Affairs  
Department of State

DR. WILLIAM R. GRAHAM  
Deputy Administrator  
National Aeronautics and Space Administration

MR. CRAIG ALDERMAN  
Deputy Under Secretary for Policy  
Department of Defense

MS. MADELINE JOHNSON  
Director, Office of Commercial Space Transportation  
Department of Transportation

DR. ANTHONY CALIO  
Administrator of the National Oceanic  
and Atmospheric Administration  
Department of Commerce

VICE ADMIRAL E. A. BURKHALTER  
Director, Intelligence Community Staff  
Central Intelligence Agency

BRIGADIER GENERAL JOEL M. McKEAN  
Deputy Director for Force Development & Strategic Plans  
Office of the Joint Chiefs of Staff

LOUIS V. NOSENZO  
Deputy Assistant Director for Strategic Programs  
Arms Control and Disarmament Agency

Observers

DANIEL TAFT  
National Security and International Affairs  
Special Studies  
Office of Management and Budget

COLONEL MAURICE A. ROESCH, III  
Assistant Director for Defense Technology  
and Systems  
Office of Science and Technology Policy

MR. ALFRED H. KINGON  
Assistant to the President for Cabinet Affairs

MICHAEL A. DRIGGS  
Special Assistant to the President for Policy  
Development

COLONEL SAMUEL WATSON  
Deputy Assistant to the Vice President for  
National Security Affairs

Executive Secretary: COLONEL GERALD M. MAY  
Director of Space Programs, NSC Staff

**EXECUTIVE SECRETARIAT**  
ROUTING SLIP

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Executive Secretary  
24 FEB 86

Date \_\_\_\_\_

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Executive Registry

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NATIONAL SECURITY COUNCIL  
WASHINGTON, D.C. 20506

February 21, 1986

MEMORANDUM FOR:

MR. DONALD P. GREGG  
Assistant to the Vice President  
for National Security Affairs

CAPTAIN JOHN W. BITOFF  
Executive Assistant to the Chairman  
Joint Chiefs of Staff

MR. NICHOLAS PLATT  
Executive Secretary  
Department of State

MR. WILLIAM B. STAPLES  
Executive Secretary  
Arms Control & Disarmament Agency

COLONEL DAVID R. BROWN  
Executive Secretary  
Department of Defense

MR. JOHN P. McTAGUE  
Acting Director  
Office of Science & Technology Policy

MRS. HELEN ROBBINS  
Executive Asst to the Secretary  
Department of Commerce

MR. NORMAN TERRELL  
Associate Administrator for Policy  
National Aeronautics and Space  
Administration

MS. RUTH KNOUSE  
Director, Executive Secretariat  
Department of Transportation

MR. ALFRED H. KINGON  
Assistant to the President for  
Cabinet Affairs

MR. ALTON KEEL  
Associate Director for National  
Security and International Affairs  
Office of Management and Budget


MR. MICHAEL DRIGGS  
Special Assistant to the President  
for Policy Development

Executive Secretary  
Central Intelligence Agency

STAT

SUBJECT: IG(Space) Meeting - February 25, 1986

A meeting of the IG(Space) will be held on Tuesday, February 25, 1986, 3:30-4:30 p.m., Room 208, OEOb. The meeting will be chaired by Donald R. Fortier, Chairman of the IG(Space). Principals plus one are invited. In order to assure clearance into the OEOb, please inform Col Jerry May (395-5022) of the names of your representatives by COB February 24, 1986.

  
Rodney B. McDaniel  
Executive Secretary

Attachment  
IG(Space) Membership List

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EXEC  
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CHAIRMAN: DONALD R. FORTIER

Members

AMBASSADOR JOHN D. NEGROPONTE  
Assistant Secretary for Oceans and International  
Environmental and Scientific Affairs  
Department of State

DR. WILLIAM R. GRAHAM  
Deputy Administrator  
National Aeronautics and Space Administration

MR. CRAIG ALDERMAN  
Deputy Under Secretary for Policy  
Department of Defense

MS. MADELINE JOHNSON  
Director, Office of Commercial Space Transportation  
Department of Transportation

DR. ANTHONY CALIO  
Administrator of the National Oceanic  
and Atmospheric Administration  
Department of Commerce

VICE ADMIRAL E. A. BURKHALTER  
Director, Intelligence Community Staff  
Central Intelligence Agency

BRIGADIER GENERAL JOEL M. McKEAN  
Deputy Director for Force Development & Strategic Plans  
Office of the Joint Chiefs of Staff

LOUIS V. NOSENZO  
Deputy Assistant Director for Strategic Programs  
Arms Control and Disarmament Agency

Observers

DANIEL TAFT  
National Security and International Affairs  
Special Studies  
Office of Management and Budget

COLONEL MAURICE A. ROESCH, III  
Assistant Director for Defense Technology  
and Systems  
Office of Science and Technology Policy

MR. ALFRED H. KINGON  
Assistant to the President for Cabinet Affairs

MICHAEL A. DRIGGS  
Special Assistant to the President for Policy  
Development

COLONEL SAMUEL WATSON  
Deputy Assistant to the Vice President for  
National Security Affairs

Executive Secretary: COLONEL GERALD M. MAY  
Director of Space Programs, NSC Staff

**EXECUTIVE SECRETARIAT**

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Remarks  
 To 4: Please see that name of attendee is called.

[Redacted Signature Box]

Executive Secretary

12 Feb 86

Date

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Executive Registry
86-0424X/1

NATIONAL SECURITY COUNCIL  
WASHINGTON, D.C. 20506

February 11, 1986

MEMORANDUM FOR:

MR. DONALD P. GREGG  
Assistant to the Vice President  
for National Security Affairs

CAPTAIN JOHN W. BITOFF  
Executive Assistant to the Chairman  
Joint Chiefs of Staff

MR. NICHOLAS PLATT  
Executive Secretary  
Department of State

MR. WILLIAM B. STAPLES  
Executive Secretary  
Arms Control & Disarmament Agency

COLONEL DAVID R. BROWN  
Executive Secretary  
Department of Defense

MR. JOHN P. McTAGUE  
Acting Director  
Office of Science & Technology Policy

MRS. HELEN ROBBINS  
Executive Asst to the Secretary  
Department of Commerce

MR. NORMAN TERRELL  
Associate Administrator for Policy  
National Aeronautics and Space  
Administration

MS. RUTH KNOUSE  
Director, Executive Secretariat  
Department of Transportation

MR. ALFRED H. KINGON  
Assistant to the President for  
Cabinet Affairs

MR. ALTON KEEL  
Associate Director for National  
Security and International Affairs  
Office of Management and Budget

MR. MICHAEL DRIGGS  
Special Assistant to the President  
for Policy Development

[Redacted]  
Executive Secretary  
Central Intelligence Agency

STAT

SUBJECT: IG(Space) Meeting

A meeting of the IG(Space) will be held on February 14, 1985, 1:00-3:00 p.m., Room 208, OEOB. The purpose of the meeting will be to review with the Subcommittee Chairmen the proposed report outline, content, and time schedule. This meeting will be chaired by Gerald M. May, Director of Space Programs on the NSC Staff. Therefore, principals need not attend but must ensure a representative is present. In order to assure clearance into the OEOB, please inform Col May of the name of your representative (395-5022).

Rodney B. McDaniel  
Executive Secretary



B-603-101  
09-1-155-101

Attachment  
IG(Space) Membership List

CHAIRMAN: DONALD R. FORTIER

Members

AMBASSADOR JOHN D. NEGROPONTE  
Assistant Secretary for Oceans and International  
Environmental and Scientific Affairs  
Department of State

DR. WILLIAM R. GRAHAM  
Deputy Administrator  
National Aeronautics and Space Administration

MR. CRAIG ALDERMAN  
Deputy Under Secretary for Policy  
Department of Defense

MS. MADELINE JOHNSON  
Director, Office of Commercial Space Transportation  
Department of Transportation

DR. ANTHONY CALIO  
Administrator of the National Oceanic  
and Atmospheric Administration  
Department of Commerce

VICE ADMIRAL E. A. BURKHALTER  
Director, Intelligence Community Staff  
Central Intelligence Agency

BRIGADIER GENERAL JOEL M. MCKEAN  
Deputy Director for Force Development & Strategic Plans  
Office of the Joint Chiefs of Staff

LOUIS V. NOSENZO  
Deputy Assistant Director for Strategic Programs  
Arms Control and Disarmament Agency

Observers

DANIEL TAFT  
National Security and International Affairs  
Special Studies  
Office of Management and Budget

COLONEL MAURICE A. ROESCH, III  
Assistant Director for Defense Technology  
and Systems  
Office of Science and Technology Policy

MR. ALFRED H. KINGON  
Assistant to the President for Cabinet Affairs

MICHAEL A. DRIGGS  
Special Assistant to the President for Policy  
Development

COLONEL SAMUEL WATSON  
Deputy Assistant to the Vice President for  
National Security Affairs

Executive Secretary: COLONEL GERALD M. MAY  
Director of Space Programs, NSC Staff

**EXECUTIVE SECRETARIAL**

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9	Chm/NIC				
10	GC				
11	IG				
12	Compt				
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14	D/PAO				
15	D/PERS				
16	VC/NIC				
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Remarks

[Signature Box]

Executive Secretary

31 Jan 86

Date

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NATIONAL SECURITY COUNCIL  
WASHINGTON, D.C. 20506

Executive Registry
CC- 0424x

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January 30, 1986

MEMORANDUM FOR:

MR. DONALD P. GREGG  
Assistant to the Vice President  
for National Security Affairs

CAPTAIN JOHN W. BITOFF  
Executive Assistant to the Chairman  
Joint Chiefs of Staff

MR. NICHOLAS PLATT  
Executive Secretary  
Department of State

MR. WILLIAM B. STAPLES  
Executive Secretary  
Arms Control & Disarmament Agency

COLONEL DAVID R. BROWN  
Executive Secretary  
Department of Defense

JOHN P. McTAGUE  
Acting Director  
Office of Science & Technology Policy

MRS. HELEN ROBBINS  
Executive Asst to the Secretary  
Department of Commerce

MR. NORMAN TERRELL  
Associate Administrator for Policy  
National Aeronautics and Space  
Administration

MS. RUTH KNOUSE  
Director, Executive Secretariat  
Department of Transportation

MR. ALFRED H. KINGON  
Assistant to the President for  
Cabinet Affairs

MR. ALTON KEEL  
Associate Director for National  
Security and International Affairs  
Office of Management and Budget

MR. MARTIN SMITH  
Special Assistant to the President  
for Policy Development

[Redacted]

Executive Secretary  
Central Intelligence Agency

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25X1

SUBJECT: IG (Space) Meeting - February 5, 1986 (U)

As a result of the Shuttle tragedy of January 27, 1986, it is necessary to review the availability of capabilities and resources to ensure continuity of the U.S. space launch program. There are several options, or combinations of options, available that support continuity.

Option 1: Buy more Shuttles. This could cost in excess of \$2B a copy and may not make a vehicle available until 1991, at the earliest. This assumes an accelerated program with unlimited funding, and widespread Congressional support.

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Option 2: Accelerate the national aerospace plane. This too would require unlimited funding, maximum Congressional support, and crash efforts by industry. Even with these efforts, it is not certain that it could be made operational any earlier than present program schedules allow.

Option 3: Buy more Titan 34Ds. At the present rate of purchase, the earliest availability is expected in 1988. Accelerated purchase of Titan 34D vehicles and in larger quantities could assure the launch of larger payloads. Exact numbers of vehicles required and their costs are not known.

Option 4: Use more Titan IIs. Present Congressional direction only allows consideration for use of 13 existing Titan IIs. Since there are considerably more of these vehicles available than 13, and their use is the subject of a difference of opinion, a reconciliation and a validation of the requirement for their use is necessary. Like the option to buy more Titan 34Ds, a close examination of all costs associated with Titan II use and conversion for space launch use is also necessary.

Option 5: Buy more Atlas/Centaur. The Atlas/Centaur production line is currently open and vehicles are being produced at a specified rate. Additional funds could be justified to buy more vehicles to launch necessary payloads. However, the Atlas/Centaur is a small missile and is only useful for certain payloads. Therefore, a detailed mission model, a program funding profile and a commitment from all who wish to launch payloads must be sought.

Option 6: Use civil and commercial launch vehicles. This is a prime opportunity for foreign and domestic commercial missile production companies and entrepreneurs to consider filling the breach created by the loss of a Shuttle. This requires establishment of a close working relationship between government and industry to consider making launch ranges available, expedite government licensing and federally subsidize insurance programs to assure commercial systems availability. (C)

The thoughts in these options are not complete nor have all complex facets of bringing any one or a combination of them to fruition been explored. In addition, there may be options that have not been mentioned but deserve evaluation. The members of the IG(Space) are therefore requested to attend the meeting prepared to discuss these options and any others you deem appropriate. Once discussion is complete it is the tentative plan to designate selected members of the IG(Space) to write a "White Paper" on maintaining the continuity of the U.S. space launch program. The paper will then be used to develop a new space strategy and policy statement. (C)

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A meeting of the IG(Space) will be held on February 5, 1986, from 2:00-4:00 p.m., in Room 208 of the OEOB. Attendance will be limited to principal plus one. Please notify Jerry May of the NSC Staff (395-5022) of the names of your representatives by February 4, 1986.  
(U)



William F. Martin  
Executive Secretary

Attachment  
IG(Space) Membership List

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INTERAGENCY GROUP FOR SPACE MEMBERSHIP

CHAIRMAN: DONALD R. FORTIER

Members

AMBASSADOR JOHN D. NEGROPONTE  
Assistant Secretary for Oceans and International  
Environmental and Scientific Affairs  
Department of State

DR. WILLIAM R. GRAHAM  
Deputy Administrator  
National Aeronautics and Space Administration

MR. CRAIG ALDERMAN  
Deputy Under Secretary for Policy  
Department of Defense

MS. MADELINE JOHNSON  
Director, Office of Commercial Space Transportation  
Department of Transportation

DR. ANTHONY CALIO  
Administrator of the National Oceanic  
and Atmospheric Administration  
Department of Commerce

VICE ADMIRAL E. A. BURKHALTER  
Director, Intelligence Community Staff  
Central Intelligence Agency

MAJOR GENERAL THOMAS C. BRANDT  
Director of Joint Planning & Staffing for Space  
Office of the Joint Chiefs of Staff

LOUIS V. NOSENZO  
Acting Assistant Director for Strategic Programs  
Arms Control and Disarmament Agency

Observers

DANIEL TAFT  
National Security and International Affairs  
Special Studies  
Office of Management and Budget

COLONEL MAURICE A. ROESCH, III  
Assistant Director for Defense Technology  
and Systems  
Office of Science and Technology Policy

MR. ALFRED H. KINGON  
Assistant to the President for Cabinet Affairs

MARTIN SMITH  
Special Assistant to the President for Policy  
Development

COLONEL SAMUEL WATSON  
Deputy Assistant to the Vice President for  
National Security Affairs

Executive Secretary: COLONEL GERALD M. MAY  
Director of Space Programs, NSC Staff

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No. 90076

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# NATIONAL SECURITY COUNCIL INFORMATION

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