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PAO FS

SS-1 ★
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BYEMAN
CONTROL SYSTEM

NATIONAL RECONNAISSANCE PROGRAM
Washington, D. C.

July 16, 1970

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18

MEMORANDUM FOR MR. PACKARD
MR. HELMS
DR. DuBRIDGE

SUBJECT: Readout/VHR Options

Since the distribution of material for the NRP Executive Committee meeting of July 17, 1970, additional options for "Readout" have been received from the CIA. These are attached for use during the meeting.

F. Robert Naka

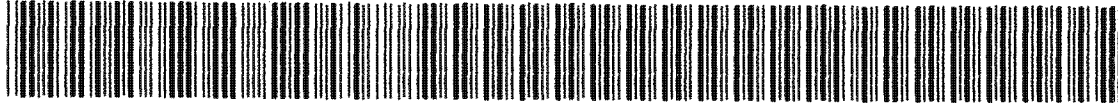
F. Robert Naka
Secretary
NRP Executive Committee

Attachment
Readout/VHR Options (\$M)

BYE-13038/70

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READOUT/VHR OPTIONS (\$M)

	FY-71	FY-72	FY-73	FY-74	FY-75	FY-76	Total FY-71-76
<u>Option A</u>							
Readout Launch						Oct 74	Apr 76
NRP Costs						Apr 75	
Electro Optical							
Tape Storage							
VHR Technology							
DRS Costs (ROM)							

This Option would protect the program for an EOI first launch in October 1974, continued tape storage technology through FY-71 and terminate VHR technology. The acquisition program costs have been estimated based on assumption that a high performance electro-optical imaging system is developed with a GSD in the range, [] of the EOI FY-71 funding will support both a full competitive System Definition Phase during FY-71 and a maximum confidence advance development program in all subsystem areas.

<u>Option B</u>							
Readout Launch						Oct 74	Apr 76
NRP Costs						Apr 75	
Electro-Optical							
Tape Storage							
VHR							
DRS Costs (ROM)							

This Option reduces EOI FY-71 funding from the [] of Option 1 to []. This reduction was accomplished by eliminating all NRO support of RF component technology under the assumption that these programs would be fully funded by the Air Force, eliminating any advance development of a flight computer

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Option B (continued)

and by making slight reductions in two other program areas. The tape storage technology is continued at the [] level and the VHR technology phase out is funded at []. With the acceptance of limited additional risks in the acquisition program, this Option will allow a first launch in October 1974, as in the case of Option 1.

						Total
FY-71	FY-72	FY-73	FY-74	FY-75	FY-76	FY-71-76

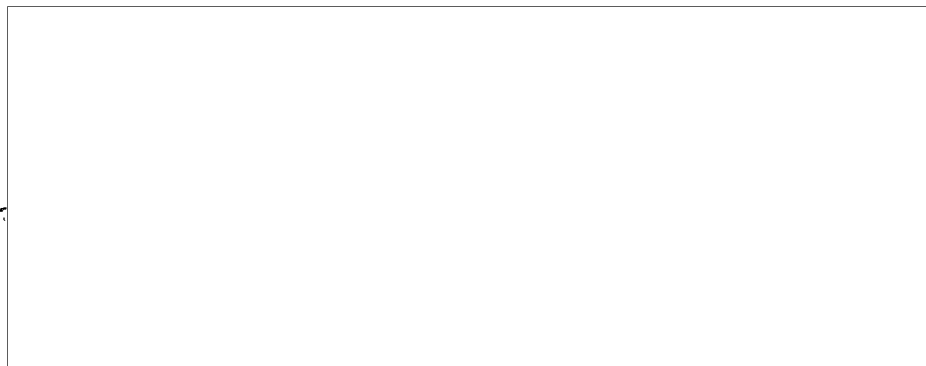
Option C

Jan 75	Jul 75
	Jun 76

Readout Launch
NRP Costs

Electro-Optical
Tape Storage
Alternative Tech.
VHR

DRS Costs (ROM)



This Option shows an EOI program cost reduction in both FY-71 and 72, but results in a launch slip from October 1974, to January 1975. As in the previous option the tape storage technology is continued at [] and the VHR phase out is funded at []. In March 1970 the ExCom approved [] for a study of alternative image tube technology. Although this study is not yet completed, this Option budgets [] to provide for any development work which may be indicated. This [] also provides some flexibility for additional funding requirements in either the Solid State Array program or the Tape Storage work.

Reduction in the EOI program from [] of Option 3 would be accomplished by stretching the System Definition Phase from the current ten months to thirteen months. On this schedule Phase II of System Definition would be completed by the end of September 1971 and the System Acquisition Phase of the program would be initiated in December 1971. The technology programs of Option 3 remain the same as in Option 2.

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DEPARTMENT OF THE AIR FORCE

OFFICE OF THE UNDER SECRETARY

MEMORANDUM

July 16, 1970

BYE-13038-70. Readout/VHR Options
3 pages; attachment, same BYE No.

Copy 1 Mr. Packard, DOD
2 Mr. Helms, CIA
via Mr. Duckett, DDS&T
3 Dr. DuBridge, EOB
via Dr. Martin
4 Dr. Foster, DDR&E
5 Adm. Gayler, NSA
6 Mr. Moot, OSD Comp
7 Mr. Schlesinger, BOB
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