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#### MEMORANDUM FOR RECORD

SUBJECT: Minutes, November 17 MOL Program Review Committee Meeting

The November meeting was convened at the Pentagon. Principals in attendance were:

Dr. Flax General Ferguson General Stewart General Bleymaier General Martin General Berg Mr. Kirk Dr. Yarymovych Dr. Leonard

#### INTRODUCTORY REMARKS (GENERAL BLEYMAIER)

General Bleymaier stated that the real purpose of this meeting, and the Systems Office efforts since the October 27 meeting, was to answer the question of how to get the MOL Program on a sound financial basis. A prerequisite requires FY 69 and FY 70 funds in firmly established amounts, and then a reshaping of the development efforts and schedules consistent with these amounts.

He observed that under the present arrangements:

- A group of independent efforts are somewhat loosely allied.
- The terms and conditions of our contracts have been continually violated.
- Effective program management control does not exist, and
- The program cannot be defined contractually.

As a result, adjusting the schedule and changing the program content, although very difficult and drastic, is probably the only way to get the program under control. It may also be, however, that the best overall alternative approach would be to continue with only the payload development.

The contractors are to propose feasible schedules consistent with their individual assigned FY funding constraints. They are also to develop a "strawman" program which reflects the effect on costs and schedules, of some 50 Systems Office identified possible changes to the present program. The "strawman" results are due to the Systems Office about November 22.

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As part of the Systems Office total reevaluation direction, each of the major associate contractors has been requested to tailor his efforts in accordance with dollar amounts assigned to him for each of FY 69 through FY 71. The total planning NOA for each of these years is \$640 million, \$590 million and \$590 million respectively. The T-IIIM associate contractors have been directed to discontinue all effort not specifically identified in the directive to them. Furthermore, all contractor field activities at VAFB are to be cut to the absolute essential minimum; Phase IB effort for the support module is being deferred 6 months; and discussions are being held with the Gemini B contractor to reduce him to the T-IIIM equivalent level of effort.

The immediate effect of these actions will be that the FY 68 development program will stay within the total cumulative NOA of \$722 million at end June 1968.

The total program cost change resulting from the 640/590/590 NOA projections, and proposed by the contractors is +\$560 million, bringing the total cost up from \$2.35 to \$2.91 billion.

General Bleymaier then pointed out what became obvious as the meeting progressed. That is, that Eastman Kodak has admitted that it could never have met the compact 12 schedule. This inability is a result not of lack of funding support but the fact that EKC's technical and production competence, independent of funding, cannot support our present schedules. They are now offering a compact 12 + 12 i.e., a two year slip to the baseline program, as their capability, at an increase in cost to \$491 million.

The presentations made by the individual contractors are discussed in the succeeding paragraphs.

Eastman Kodak Company (Mr. Sewell, Program Manager)

Mr. Sewell described the EKC program cost evolution from \$294 million in December 1966 to \$491 million in November 1967 with an attendant 24 month slip. The increase in costs of approximately \$75 million is ascribed to increases due to directed program content changes such as the sliding mask, flip mirror, thermal slats, special studies, and changes to Special Industrial Requirements. To this there is also added an allowance of about \$60 million for probable future changes, and a forecast camera overrun of \$65 million over the life of the contract.

EKC is now at a level of activity consistent with the assigned FY 68 constraint of \$99 million. The level of development activity over the ensuing 3 years will permit them to satisfy a December 71

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first launch date. This schedule adjustment is accomplished by:

- Delaying the compact 12 Mission Module level of activity at EKC for 1 year.
- Delaying the qualification and flight model COA and LM activity at EKC for 1 year.
- Stretching COA and LM component development activity to a "2 years work in 3 years" schedule.

Mr. Sewell very pointedly stated that EKC could not have accomplished the compact 12 regardless of funding. Their earlier schedule was unrealistic, and they had experienced difficulty finding the necessary skilled labor.

Dr. Flax observed that it was not obvious to him why there should be cost increases attendant to the mere fact that the program changed. He also inquired whether the 24 month slip could be lived with by the EKC subcontractors. Mr. Sewell said he assumed that it could.

#### General Electric Company (Dr. Miller)

The General Electric Company FY 68 budget has been set at \$73 million and GE is undertaking the actions necessary to stay within this ceiling. The major effect will be the laying off of some 600 employees over the next few months.

In describing the evolution of the GE cost increases to their current \$469 million level, Dr. Miller pointed out that there had been some 100 items previously deferred or changed. The major cost items making up the \$100 million increase are the field test support program, the Acquisition and Tracking Scope change from the "little eye" to the "big eye", the IVS responsibilities, the SAFSL 10010 materials exhibit, and field support hardware. These make up some \$93 million of the \$100 million increase.

Dr. Miller emphasized that the GE estimate included everything known or anticipated to do the program; that there were no known surprises or hidden costs, and that GE would continue to attempt to reduce program content and tailor the schedule to conform to prescribed FY fund ceilings.

Based on the FY 69-71 bogeys they are projecting a 12-14 month adjustment to the compact 12.

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At the conclusion of the GE presentation, General Martin commented that the program slippage appeared to him to be so great that it probably would be cheaper and quicker to go to an unmanned development program effort, and that capability could probably be attained without man, using the program 612 vehicle.

Dr. Flax's reply was to the effect that if EKC is the pacing element, General Martin's suggestion might not be valid. If there were fund limitations but EKC was not pacing, then General Martin's suggestion might be right.

McDonnell Douglas Company (Mr. Pepping/St. Louis)

The Gemini B effort has been reduced from \$90 to \$79 million through June 1968, and the total GB cost estimate has increased from \$274 to \$298 million. The reduction to a FY 68 \$47 million NOA, and the FY 69-71 fund levels would, in McDonnell's opinion require a leveling off of their manpower at its present number and add some 15 months to the presently scheduled April 70 GBQ launch.

In response to a question regarding time required to build a Gemini B, Mr. Pepping replied that given the necessary funding, the lead time was 28 months.

McDonnell Douglas Company (Mr. Johnson/Huntington Beach)

Mr. Johnson very concisely reviewed the program funding history and its effect on schedules and manpower, and identified program changes.

He estimated that with the funding levels proposed through FY 71, the schedule would slip seven months and cost would increase about \$100 million to \$1.01 billion.

Summary Discussion (Meeting Principals)

At the conclusion of the contractor presentations, the following dialogue took place.

Dr. Flax noted that EKC is the real key to our problem. The other contractors are sufficiently flexible and responsive, but the entire schedule and integration plan is paced by EKC. If, as they mentioned in their briefing, are unable to do the work at the Mission Module level, everything else must be adjusted.

He was also very concerned at the EKC position that even though they had not been fund limited, they could not have made the compact

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12 schedule. Particularly when just 2 months ago they had assured Mr. McNamara that the funding program and schedules were adequate and realistic.

Dr. Flax suggested that Generals Stewart, Bleymaier and Martin visit EKC to determine the reason for the sudden shift in company position, and to determine if the situation can be substantially improved. He indicated that he might personally visit EKC in the near future.

General Stewart reminded the group that there was still the "strawman" exercise to be completed, and some useful alternatives might possibly result. (The "strawman" is the cost reduction program which recommends certain deletions to program content, and alteration to development test flow schedules). The contractors cost and schedule responses are due November 22. On November 28 the Systems and Program Offices Program Managers will meet to review the results, and determine the actions to be taken.

Dr. Flax then made some general observations

- Program costs have escalated three times in the past year.
- We appear to be faced with the necessity for 3 high cost years, or a very, very high cost peak year.
- We may be rapidly pricing the program out of business.
- Our problems with EKC may be due to their inability to get sufficiently trained, qualified help. We must look into ways of speeding up their effort, but we must be sure that in pulling in the schedule we don't reduce our confidence in success.
- EKC is the focus of our problem.

General Stewart will keep Dr. Flax advised of events.

A copy of the briefing charts used at this meeting is on file in the MOL Program Office, SAFSLP.

JAMES T. STEWART Major General, USAF Vice Director, MOL Program

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**Mr**MDFT

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# PROGRAM REVIEW COUNCIL \*

# BRIEFING

### **17 NOVEMBER 1967**

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NRO APPROVED FOR RELEASE 1 JULY 2015		
	IS WHAT WE ARE PROPOSING	
	A REAL SOLUTION TO	
		¢
	THE PROBLEM	
	THE ANSWER	
	IS	
	<u>NO</u>	

NRO APPROVED FOR RELEASE 1 JULY 2015 CAN THE PROGRAM SURVIVE IN THIS CLIMATE ? PROBABLY CAN BE MADE TO SURVIVE



# WE NOW HAVE A GROUP OF INDEPENDENT EFFORTS SOMEWHAT LOOSELY ALLIED

NRO APPROVED FOR RELEASE 1 JULY 2015

OVERALL CONTRACTUALLY THE TERMS & CONDITIONS HAVE BEEN VIOLATED REPEATEDLY -- REDUCING CONTRACT TO A LEGAL INSTRUMENT FOR APPLYING FUNDS -

FURTHERMORE - PROGRAM CANNOT BE DEFINED CONTRACTUALLY - - -

UNDER PRESENT ENVIRONMENT IMPOSSIBLE

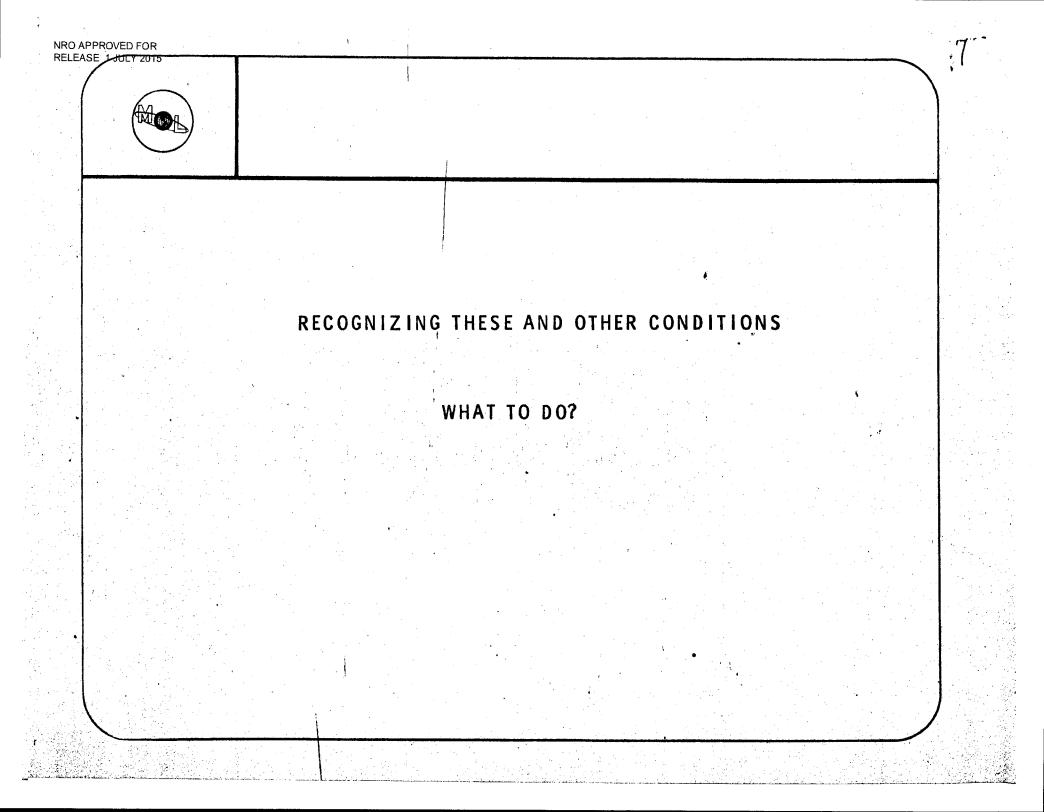
PROGRAM DOES NOT EXIST - - -

EFFECTIVE MANAGEMENT CONTROL OF

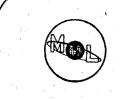
NRO APPROVED FOR RELEASE JULY 2015 PROGRAM HAS BEEN FORCED TO REACT TO FUND AVAILABILITY-NOT FUNDS TO PROGRAM NEEDS

NRO APPROVED FOR RELEASE JULY 2015

> CONDITION WILL PROBABLY CONTINUE -NEGATES SCHEDULES, PLANS AND CONTRACTS



#### NRO APPROVED FOR RELEASE



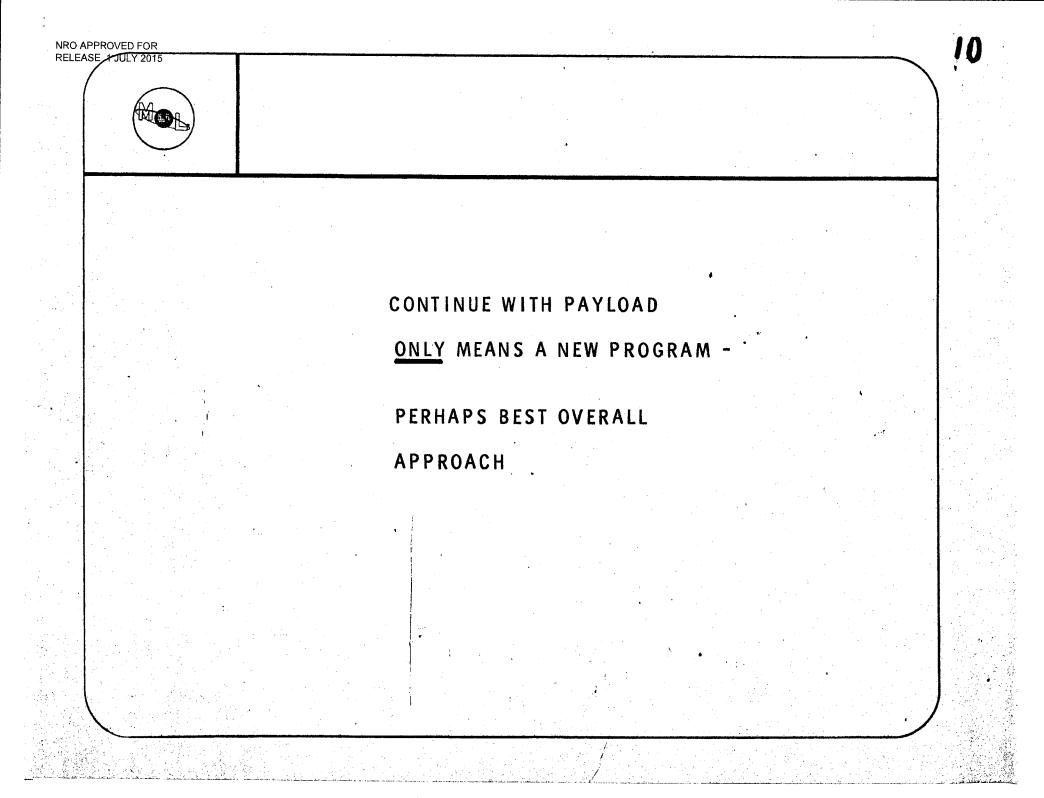
ADJUSTING SCHEDULE ONLY IS

# TANTAMOUNT TO DOING NOTHING

NRO APPROVED FOR RELEASE 1\_HHEY 2015

> CHANGING PROGRAM CONTENT AND ADJUSTING SCHEDULE SERIOUSLY JEOPARDIZES PROGRAM -PROBABLY ONLY ACCEPTABLE EXPEDIENT - HOWEVER SEVERE

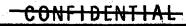
WILL CREATE MANY MANY PROBLEMS



NRO APPROVED FOR RELEASE 1-ULY SPECIFIC ACTIONS TAKEN INTERIM RIGHT DIRECTED CONTRACTORS TO LIMIT EFFORT TO DOLLAR AVAILABLE 68, 69, 70, 71 discussed with directed DIRECTED MAC & T-IIIM TO LEVEL-OF-EFFORT CONTRACT, (1 JAN 68) DIRECTED CONTRACTORS WITHDRAW VAFB PERSONNEL - BARE MINIMUM ONLY DELAYED PHASE 1B FOR SUPPORT MODULE, (JAN TO 1 JUL 68)

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	TWX TO MAJOR CONT	RACTORS, 7 NO	DV 67	
SUBJECT: CONTRACT	XXXX	· · · · · · · · · · · · · · · · · · ·		
1. REF LIMITATION OF	GOVERNMENTS OBLIGATION CLAUS	e in subject con	TRACT.	
2. YOU ARE HEREBY D	IRECTED TO TAILOR YOUR EFFORT S	O THAT THE FOLLOW	ING DOLLAR AMOUNTS	
ARE NOT EXCEEDED REC	ARDLESS OF IMPACT ON SCHEDULE	S AT THIS TIME. I	N FY 68 THE	•
GOVERNMENTS OBLIGA	TION FOR YOUR SEGMENT OF THE M	DL PROGRAM WILL	BE LIMITED TO	
\$MILLION	. THIS EQUATES TO A CUMULATIVE	SUM OF \$	MILLION THRU	
FY 68. YOUR FY 69 AN	D FY 70 LIMITATION WILL BE \$	AND \$	MILLION	
RESPECTIVELY. YOU V	ILL NOT EXCEED THESE LIMITATION	S. FOR PLANNING	PURPOSES FY 71	
AVAILABILITY WILL N	DT EXCEED FY 70.	•		
3. PLEASE ADVISE OF	IMPACT TO SUBJECT CONTRACT.			

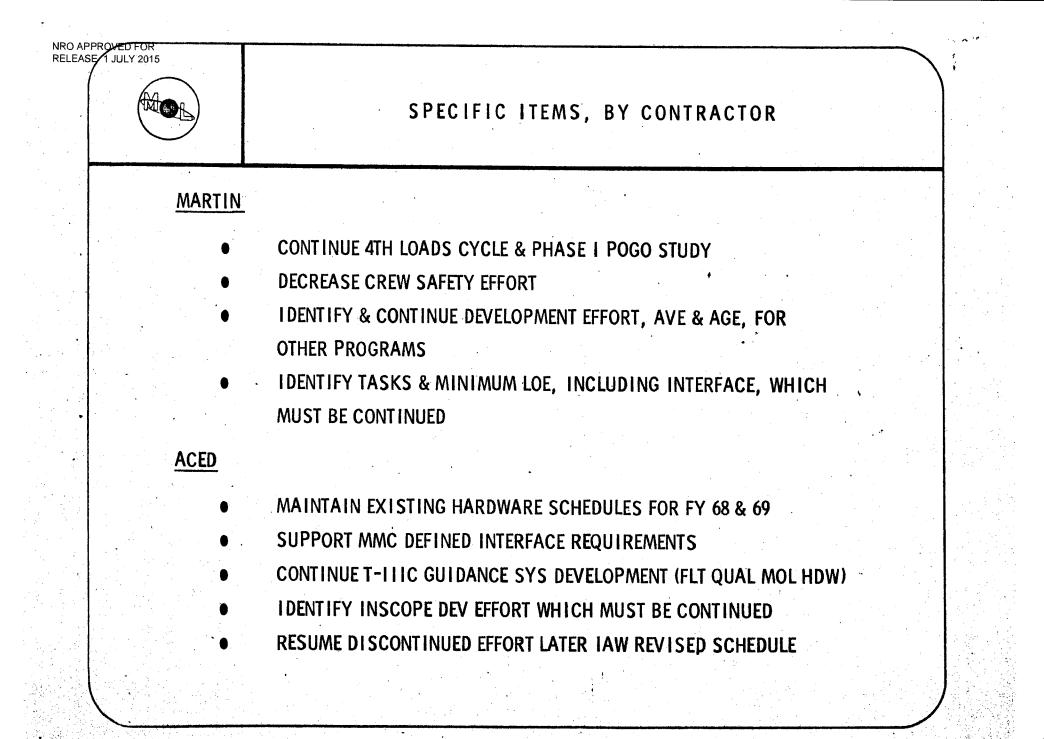
SIGNED (CONTRACTING OFFICER)



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SE 1 JULY 2015	- CONFIDENTIAL
	TWX - DIRECTION TO LEVEL OF EFFORT
TO: (ALL T-IIIM C	ONTRACTORS)
12-MONTH SLIP FR	FIRM THE AGREEMENTS REACHED DURING THE MEETING ON 8 NOV WHEREBY A OM THE PRESENT SCHEDULE DATE IS CONTEMPLATED. SPECIFICALLY, YOU ARE ONTINUE ALL EFFORT EXCEPT AS DELINEATED BELOW:
II. (SPECIFIC ITEN	NS, BY CONTRACTOR)
BEING FABRICATED	THOSE ITEMS ALREADY ON ORDER BUT NOT FABRICATED OR IN THE PROCESS OF SHOULD BE DEFERRED. ADVISE THIS OFFICE OF THOSE ITEMS IN WHICH THIS WOULD RESULT IN A PROHIBITIVE COST IMPACT.
THE DIRECTION UN	2 NOV (DESIRED) BUT NLT 1 DEC, A REVISED SCHEDULE OF TASKS REFLECTING DER PARTS I AND II, AND A ROM COST ESTIMATE AND MANPOWER SUMMARY BY US THE TOTAL PROJECTED PROGRAM COSTS.
	CIPATE A REQUEST FOR PROPOSAL, DURING JAN 1968, BASED UPON SAFSL ALUATION OF PART IV, ETC.

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- MAINTAIN STAGE I DEVELOPMENT ON SCHEDULE SPECS, SYS EFFECT, AGE PROCEDURES, POGO, PERT, SYS ENG, AND INTERFACE REQUIREMENTS DELAY STAGE II PRODUCTION - MEET NEW DEMO SERIES (OCT 69 - MAR 70 PERIOD)
- SUPPORT MMC 4TH LOAD CYCLE
  - DEFER PROD TO MEET 1ST ENGINE SYS DELIVERY (JUL 1970)
- DEFER ALL FIELD ACTIVITIES
  - MAINTAIN STAGE I ROTAR DEV EFFORT ON CURRENT SCHEDULE
  - RESCHEDULE DEV PROGRAM CULMINATE 5TH PFRT WITH DATE COMPATIBLE WITH ADDITIONAL 12-MOS SLIP CANCEL THRUST TERMINATION AT EDWARDS
    - REDUCE UBS DEV PROGRAM TO MINIMUM TO SUPPORT C&D PROGRAMS
  - SUPPORT 4TH LOAD CYCLE

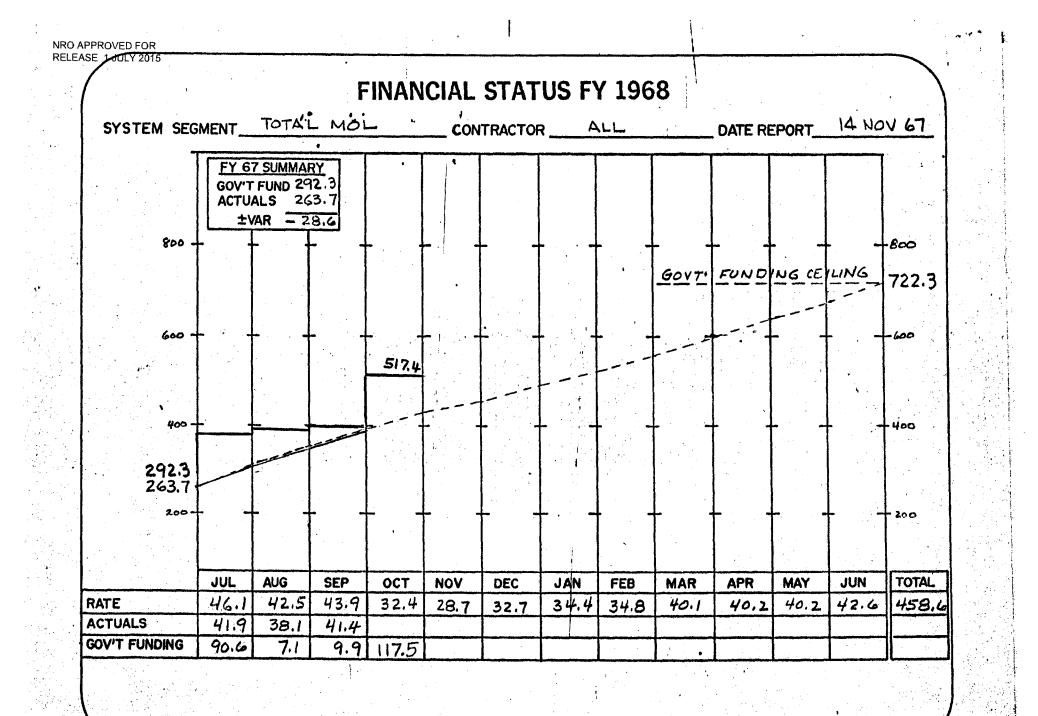
TWX - WITHDRAWAL VAFB PERSONNEL

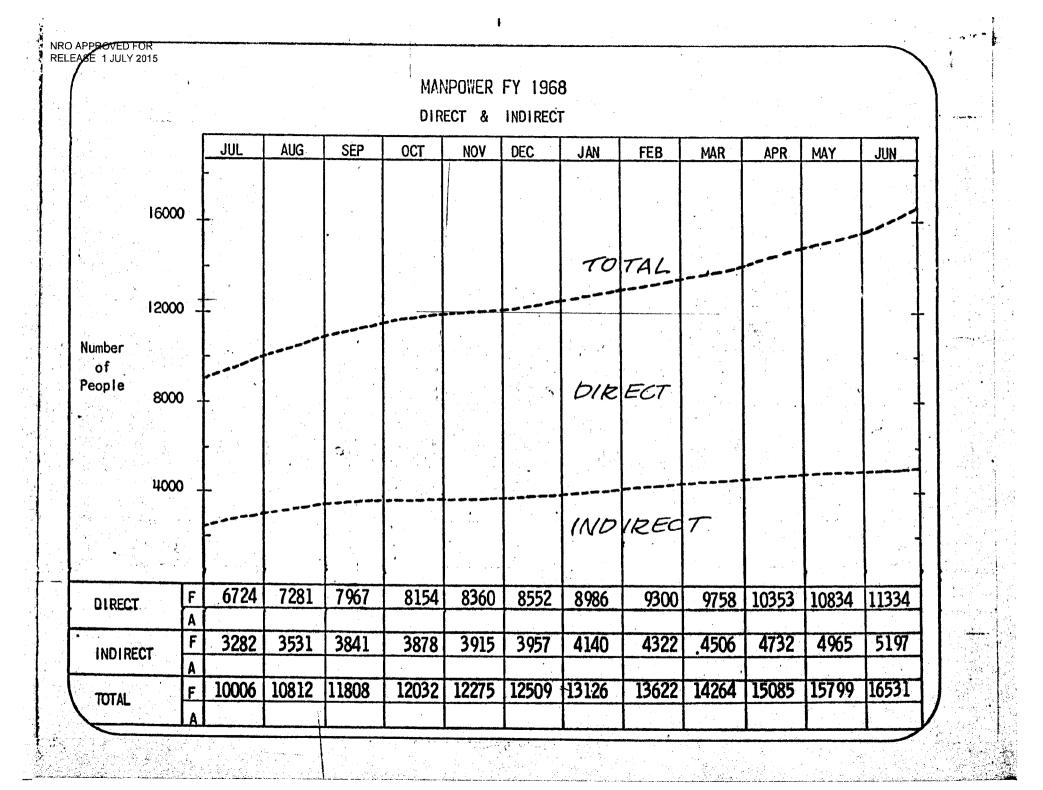
ACTION FOR (PROGRAM MANAGER)

EFFECTIVE IMMEDIATELY, AND THROUGH CY 1968, MOL CONTRACTOR PERSONNEL PHYSICALLY LOCATED AT VAFB WILL BE REDUCED TO A MINIMUM. ONLY THOSE PEOPLE ESSENTIAL TO THE OPERATION AND/OR MAINTENANCE OF EQUIPMENTS/FACILITIES IN EXISTENCE THERE DURING THIS TIME PERIOD WILL BE PERMITTED. IN THIS REGARD, THE LEVEL OF EFFORT PERMITTED WILL BE AS NEGOTIATED WITH THE MOL SPO ON SITE FIELD REPRESENTATIVE, COLONEL HULL, CHIEF, MANNED PROGRAMS DIVISION, 6595TH AEROSPACE TEST WING.

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	STATU	S REPORTS		
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	DOUGLAS			

-SECRET SPECIAL HANDLING





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GE 75. 4	106.2	. 106.0	90.0	
EKC 93. 4	1 151.4	100.0	100.0	
McDONNELL 40. 8	<b>79.5</b>	68.0	50.0	
	- SECRET-	- SPECIAL HAND	LING	

LEASE T JULY 2015	CONFIDENTI	AL-	$\sum i = 1$
	5 STEP	APPROACH.	
1. CURRENT CO	NTRACT FINANCIAL REPORT VS PRES		
		~ 380 M FY 68-69	
2. PROPOSE	SCHEDULE 🔺 TO DOLLARS AVAILABLE	68, 69, 70, 71	
3. STRAWMAN	PROGRAM (INCLUDING SCHEDULE)		
4. <del>Communed</del> (	COST 🗲 STRAWMAN PROGRAM		
DETER	MINE	IF COST	
5. <b>Estimate</b>	A CONTRACTIONAL SCHEDULE ADJU	DOLLARS OF(2)	
	CONFIDENTIAL		)

# NRO APPROVED FOR RELEASE 1 JULY 2015 CUMULATIVE FY 68 POSITION - COMPACT 12 PROGRAM

Contractor	Reqmt	Govt Funds	Contr <u>Risk</u>	<u>Total</u>	10% <u>Reduction</u>	<u>Ad j</u>	New Logo	Deficit <u>To Reqmt</u>
DAC	312.9	282.0	30.9	312.9	264.6	5.0	259.6	53.3
GE	144.4	103.3	24.1	127.4	96.2	+10.0	106.2	38.2
EK	205.3	162.7		162.7	151.5		151.5	53.8
MAC	97.9	90.3		90.3	84.5	- 5.0	79.5	18.4
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#### FY 68 DEFICIT vs TOTAL PROGRAM COSTS

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	Contractor	FY 68 Deficit	Total <u>12 C</u>	Program Cos \$ Limited	ts
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	GE	38.2	440	469	29
	EK	53.8	491	507	16
· · · · · · · ·	MAC	<u>18.4</u>	<u>298</u>	<u>_325</u>	<u>27</u>
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	TILIM AND OTHER	17.3	565	599	34
an a		181.0	2748	2910	162

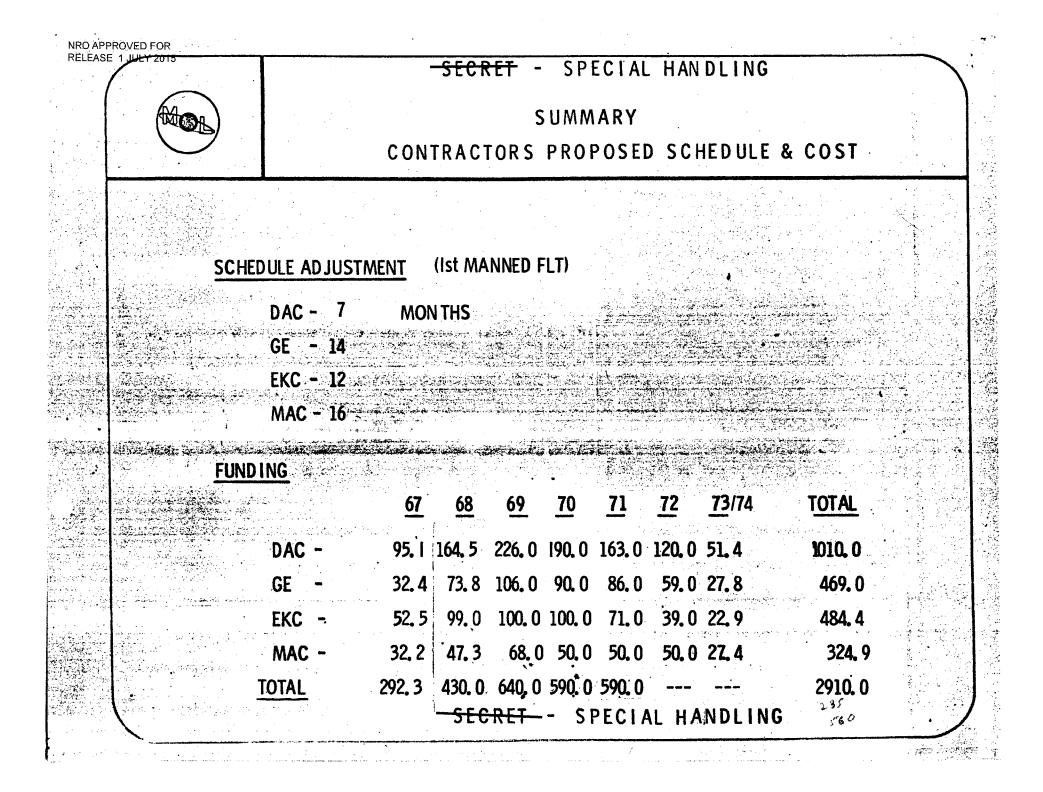
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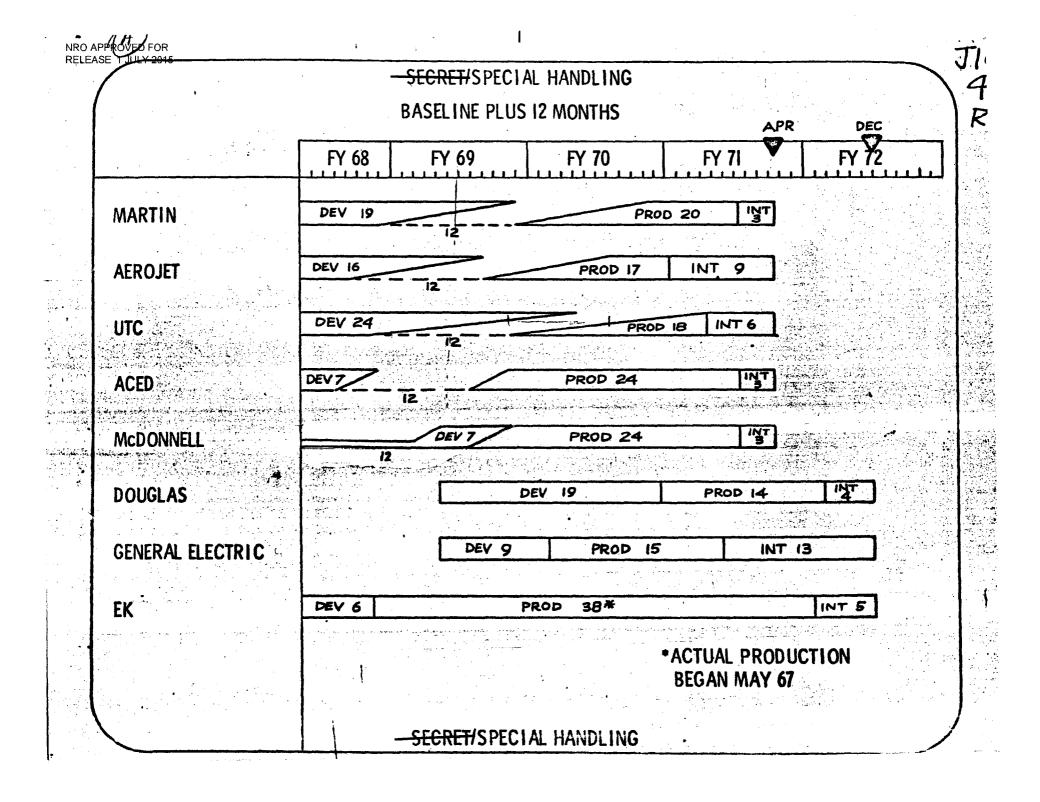
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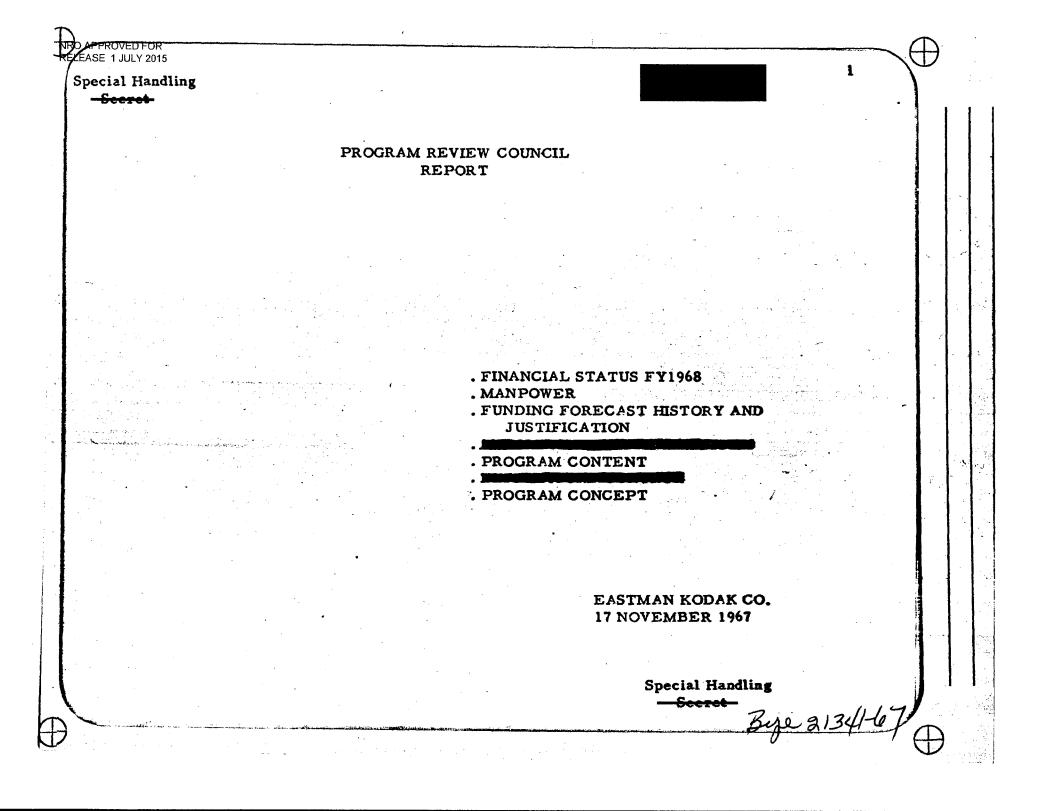
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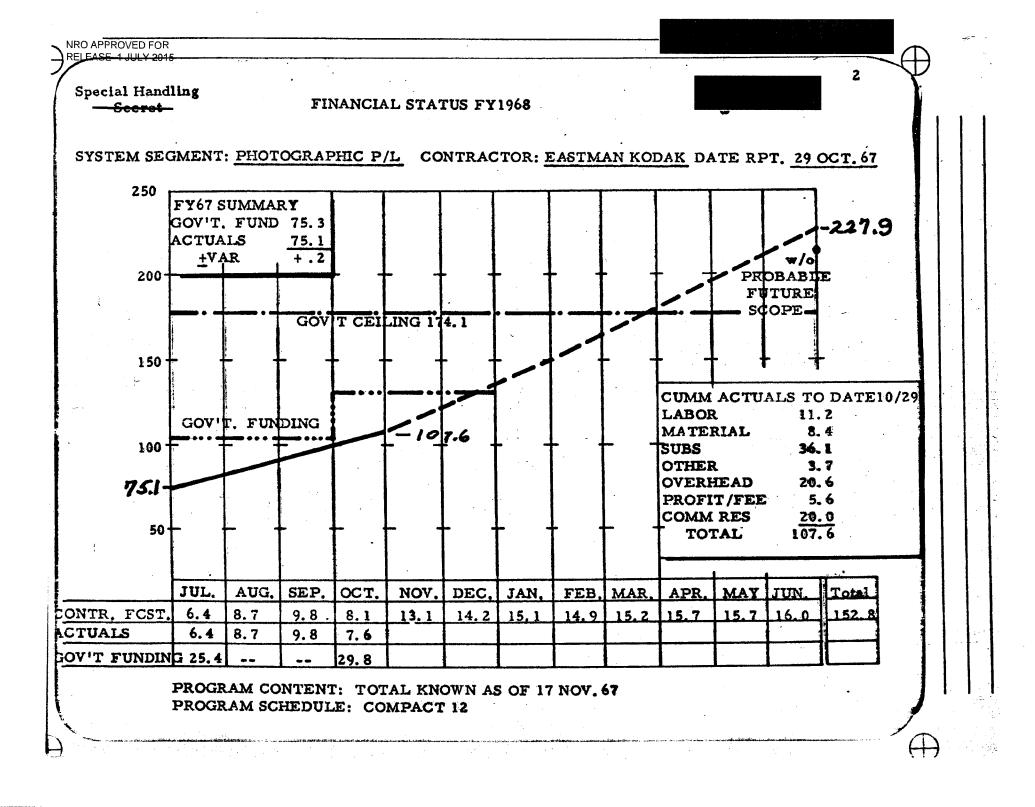
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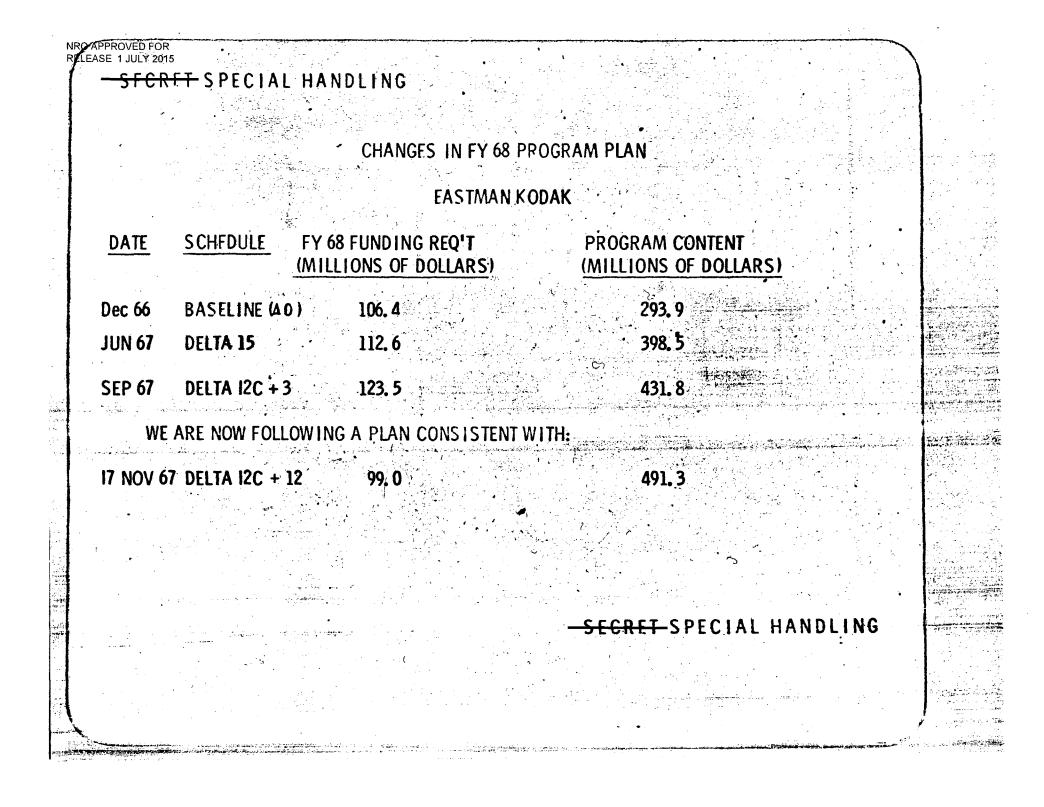


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	TAKE STEPS TO C	REATE AN INTEGRATING CONTRA	CTOR
	TERMINATE McDONNELL EFFO	RT AT ST LOUIS	
	START UP TO BE AT HUNTING	TON BEACH	1
	ONE CONTRACTOR		
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	DAC ASSIGNED OVERALL INT	EGRATION ROLE	
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CANC	F	14.0	-1.0	43.2	+3.8										+6.0		
COMMIT		14.0	=1.0	+3.2	+3.8											<b>J</b>	Į
						·····							<b>-</b>	+	Warra	<b>.</b>	ļ
TOTAL	-	75.1	. 6.4	8.7	9.8	8.1	13.1	14.2	15.1	14.8	15.2	15.7	15.7	16.0	152.1	1	1
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FY68 TC	TA	•	6.4	15.1	24.9	33. 0	46.1	60.3	75.4	90. z	105.4	121.1	136.8	3 152.8		]	



#### MANPOWER

#### ALL FISCAL YEARS/DIRECT & INDIRECT

ACTUALS AS OF: 29 OCT 67 FORECASTS AS OF: 17 NOV 67

#### SYSTEM SEGMENT: PHOTOGRAPHIC PAYLOAD

OVED FOR

RELEASE 1 JULY 2015

CONTRACTOR: EASTMAN KODAK CO.

	Ĺ		FY	68		FY 69	FY 70	FY 71	FY 72
·····		1	2	3	4	4	4	4	4
ENGINEERING	F		250	365	380	540	300	300	140
SUPPORT	A	215	(242)						
SCIENTIFIC &	F		555	690	695	935	525	400	175
ENGINEERING	A	414	(466)						
MGMT. &	F		50	55	55	70	45	40	25
ADMINISTRATIO	A	43	(46)						
SHOPS &	F		260	380	400	530	270	240	100
PRODUCTION		197	(212)			1			
OUT TANK D	F		130	150	155	175	120	100	60
OTHER	A	101	(119)						
	F								
	A						· • .	•	
TOTAL	F		1245	1640	1685	-2250	1260	1080	500
DIRECT	A	970	(1085)		İ			1	
	<b>-</b>			·	<u>.</u>		<b>.</b>		
TOTAL.	F	تیرے میں پالا سے 10 سے حفظ	340	450	460	625	335	260	130
INDIRECT	A	263	(294)	<u> </u>	<u> </u>	1		<u> </u>	
		·····						•	
TOTAL	F		1585	2090	2145	2875	1595	1340	630
TOTAL	A	1233	(1379)		1	<u> </u>	<u> </u>	<u> </u>	1
	29 0	CT. 67	PROGR	AM CONT AM SCHE		AL KNOWN		NOV. 196	7

-	Handling	•								7
			TTCPC			FOREC	CTC			
			HISTO		AILLIONS	FORECA	1010	AS OF: 2	9 OCT. 1	967
			-							
SYSTEM	SEGMENT: F	HOTOGRAPHI	C PAYL	OAD		CON	TRACTC	R: EAST	MAN KOL	DAK CO.
DATE	SCHEDULE	PRINCIPAL CONTENT	<u>FY67</u>	<u>FY68</u>	<u>FY69</u>	<u>FY70</u>	<u>F¥71</u>	<u>FY72</u>	<u>FY73</u>	TOTAL
DEC.66	CONTRACT SCHEDULE	NOTE A	100.4	106.4	43.3	31.6	11.4	. 8		293. 9
MAR. 67	DELTA 15	NOTE B	75. 3	112.4	101.8	63. 6	30. 2	13.7	1.3	398.3
JUN. 67	DELTA 15	NOTE B	75.8	112.6	101.3	61.5	32.3	13.7	1.3	398.5
SEP. 67	DELTA12C+3	NOTE C <sup>2</sup>	75.8	123, 5	135.3	-78.4	13.0	5.8		431.8
OCT. 67	DELTA 12C	NOTE C <sup>3</sup>	75.8	143.3	118.6	•••		92.8 —	an an an taon a Taon an taon an	► 430.5
	DELTA 12C		75.1	152.8	146. 2	61.0	38 <b>.</b> Q	18.2	and a second s	491.3
	NOTE A - CO	A LEVEL: SY DE				ERING, M ND FV3-		CTURE	test o	F
•	MF	S LEVEL: TH AN		INITION 7 ASSY.			r mps i	EVELOF	PMENT M	ODELS
	NOTE B - SA	ME AS A WITH	I UPDAI	ED MPS	WAG PL	US CCN'S	5 AND D	RECTEI	ITEMS.	
		ME AS A WITH N'S AND DIRE								JR THER
	NOTE D - SA	ME AS C PLU	s mps w	AG FV6	7, SAFS	L 10010.	SPARES	ULE.	AND UTB	•
	2-0	D 1097 M 118						• •		•
<b>N</b>	3~5	PECIAL						<b>5</b>	pecial Ha	م منات م

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Special Handling	JUSTIFICATION OF FORECASTS 8
-Secret	COMPARISON ANALYSIS
	(MILLIONS OF DOLLARS) AS OF: 29 OCT. 67
SYSTEM SEGMENT: PHOTOGRAP	HIC PAYLOAD CONTRACTOR: EASTMAN KODAK CO.
DEC 66 TO MARCH 67	
FORECAST INCREMENT	
FY 67 - 25.1	
	LATE AUTHORIZATION FOR BUILDING
	FEB 67 SCHEDULE SLOWDOWN
FY 68 + 6.0	MPS TESTING RE-FORECAST
Y 69 + 58.5	ADDED SIR: CHAMBER CONCEPT MODS & ACOUSTIC FACILITY
FY 70-73 + 65.0	FORECAST CAMERA OVERRUN
FY 67-73 TOTAL + 104. 4	BLDG. 101 & 102 MODS: CHAMBER "A" SUPPORT & ACOUSTIC FACILITY
	CCN'S: ACOUSTIC STUDY, POWER SWITCHING, ETC. DIRECTED ITEMS: THERMAL SLATS, CER-VIT, DRC'S,
	MODAL SURVEY, ETC.
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	MODAL SURVEY, ETC.
FORECAST INCREMENT	
FORECAST INCREMENT FY 67 + .5	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC.
FORECAST INCREMENT FY 67 + .5 FY 68 + 11.1	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRY & ADD VIEWER, COMMAND
FORECAST INCREMENT           FY 67         +         .5           FY 68         +         11.1           FY 69         +         33.5	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 70-73       -	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRY & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC.
FORECAST INCREMENT           FY 67         +         .5           FY 68         +         11.1           FY 69         +         33.5	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 70-73       -	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRY & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC.
FY 67       +       .5         FY 68       +       11.1         FY 69       +       33.5         FY 70-73       -       11.6         FY 67-73       TOTAL +       33.5	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 70-73       -         FY 67-73       -         SEPT 67 TO NOV 67	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 69       +         FY 70-73       -         FY 67-73       11.6         FY 67-73       TOTAL +         SEPT 67 TO NOV 67         FORECAST INCREMENT	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST BLDG. 103
FORECAST INCREMENT         FY 67       +       .5         FY 68       +       11.1         FY 69       +       33.5         FY 70-73       -       11.6         FY 67-73 TOTAL +       33.5         SEPT 67 TO NOV 67         FORECAST INCREMENT         FY 67       -         FY 67       -	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST BLDG. 103 PROBABLE FUTURE SCOPE: ULE, UTB, SAFSL 10010,
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 69       +         FY 70-73       -         FY 67-73       -         FY 67-73       -         FY 67-73       TOTAL +         SEPT 67 TO NOV 67         FORECAST INCREMENT         FY 67       -         FY 68       +         29.3	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST BLDG. 103 PROBABLE FUTURE SCOPE: ULE, UTB, SAFSL 10010, SPARES, MPS TESTING FV-6 & 7, FIELD EFFORT
FORECAST INCREMENT         FY 67       +       .5         FY 68       +       11.1         FY 69       +       33.5         FY 70-73       -       11.6         FY 67-73 TOTAL +       33.5         SEPT 67 TO NOV 67         FORECAST INCREMENT         FY 67       -         FY 67       -	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST BLDG. 103 PROBABLE FUTURE SCOPE: ULE, UTB, SAFSL 10010,
FORECAST INCREMENT         FY 67       +         FY 68       +         FY 69       +         FY 69       +         FY 70-73       -         FY 67-73       -         FY 67-73       -         FY 67-73       TOTAL +         SEPT 67 TO NOV 67         FORECAST INCREMENT         FY 67       -         FY 67       -         FY 68       +         FY 69       +         IO. 9	CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC. DIRECTED ITEMS: DELETE DRV & ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&2 FOR FV-1&2, DELETION OF FORECAST CAMERA OVERRUN, ETC. MPS TESTING RE-FORECAST BLDG. 103 PROBABLE FUTURE SCOPE: ULE, UTB, SAFSL 10010, SPARES, MPS TESTING FV-6 & 7, FIELD EFFORT BEYOND CY 68
FY 68 + 11.1 FY 69 + 33.5 FY 70-73 - 11.6 FY 67-73 TOTAL + 33.5 SEPT 67 TO NOV 67 FORECAST INCREMENT FY 677 FY 68 + 29.3 FY 69 + 10.9 FY 70-73 + 20.0	<ul> <li>CCN'S: FLIP MIRROR, SLIDING MASK, SM STUDY, ETC.</li> <li>DIRECTED ITEMS: DELETE DRV &amp; ADD VIEWER, COMMAND MATRIX SWITCHING, UPDATE SDM -1&amp;2 FOR FV-1&amp;2, DELETION OF FORECAST CAMERA OVERRUN, ETC.</li> <li>MPS TESTING RE-FORECAST BLDG. 103</li> <li>PROBABLE FUTURE SCOPE: ULE, UTB, SAFSL 10010, SPARES, MPS TESTING FV-6 &amp; 7, FIELD EFFORT BEYOND CY 68</li> <li>Special Handling</li> </ul>

Special Handli -Sceret	ng	PROGRAM	CONTENT	AS OF: AUGUST	10 1966
SYSTEM SEGN	MENT: PHOT	OGRAPHIC PAYLOAD	CONTRACTOR: EAS	STMAN KODAK CC	».
BASIC CONTR	ACT			•	
ITEM #1		TEST CHAMBERS & FACI	LITY ITEMS	13, 979, 164	L
ITEM #2	R&D -	PSS - ANALYSIS, INTER - SPECIAL STUDIES		ION 235, 311, 773	
- - 	•	COA DESIGN, FABRIC LMC - RELIABILITY, AN SMC DEVELOPMENT		<b>r.</b>	
		MPS - TEST DEFINITION - LAUNCH & OPER	•		
ITEM #3	SPS -	BUILDING 101		9, 180, 000	
DEFERRED I	<u>rems</u>		n an	n de 1999 - Carlos Maria, en la companya de la comp 1999 - Carlos Maria, en la companya de la companya 1999 - Carlos Maria, en la companya de la companya	258, 470, 937
ITEM #2	R&D -	MMA - ASSEMBLY, TES 5 FLIGHT MODEL - DESIGN AND FAE OF ASE & EXCHA	S RICATION OF 65 PIECES		tala Alas mula di Statu di Statu di Statu Mula di Statu
		- FIELD ENGINEER	ALUATION AND ANALYS RING SUPPORT		
)	•	FOR 5 FLIGHT M	ODELS		30,000,000
R&D = RESE	ARCH & DEV OGRAPHIC S CRA OPTICAI	UBSYSTEM LASSEMBLY	SMC = SUPPORT MC MPS = MISSION PAY SPS = SPECIAL PUI MMA = MISSION MOI	LOAD SYSTEM RPOSE STRUCTUR DULE ASSEMBLY	

pecial Handling	ii V
Secret PROGRAM CONTENT	AS OF 30 OCT (7
	AS OF; <u>29 OCT. 67</u>
SYSTEM SEGMENT: PHOTOGRAPHIC PAYLOAD CONTRACT	TOR: EASTMAN KODAK CO.
BASIC CONTRACT	258, 470, 937
DEFERRED ITEMS	
ITEM #1 SIR - REVISED REQUIREMENTS	14, 192, 565
ITEM #2 R & D - LMSS   - ANALYSIS, DESIGN, ASSEMBLY,	130, 370, 000
SMSS INTERFACES, CREW UTILIZATION MMA RELIABILITY, AND REDEFINED	N, Charles and the second s
TESTING FOR 5 FLIGHT MODELS	
- DESIGN & FABRICATION OF 287	
PIECES OF ASE & EXCHANGE HAR	
MPS - FLIGHT PERFORMANCE PREDICT AND POST FLIGHT EVALUATION A ANALYSIS - FIELD ENGINEERING SUPPORT FOR 5 FLIGHT MODELS	
- AFE, ASE SUPPORT STUDY	1. The international distribution of the state of the
LMQTV - DESIGN, FABRICATE & TEST COMPONENTS	
ITEM #3 SPS - BUILDINGS 102 MOD, BUILDING 103	3, 983, 000
CN'S - NEGOTIATED	
ITEM #1 SIR - CCN'S 23 & 16	284, 491
ITEM #2 R & D - ACOUSTIC STUDY, SM STUDY, DRC'S, MDS, FILM SUPPLY, TM SLATS, CER-VIT, REDU	4 1
FLIP MIRROR, V.O. DISPLAY, CONFORMAL	
ITEM #3 SPS - ADDITION & OVERRUN BLDG. 101	2, 227, 827
	Special Handling

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Special Handlin	'S	ж.	•		
Secret		PROGRAM CONTEN	NT* (CONTINUED)	AS OF: 29 OCT.	67
SYSTEM SECN	ENT. DUOT	OGRAPHIC PAYLOAD			
DISIBNI SEGN			CONTRACTOR. LAST	MAN RODAR CO.	5
CCN'S - NOT I	VEGOTIATED	<u>)</u>			
ITEM #2		POWER SWITCHING, SLIDIN MODAL SURVEY COA, TM ( UPDATE MDS, SM STUDY		11, 217, 000	
DIRECTED IT				• • • • • • • • • • • • • • • • • • •	
		LM ATMOSPHERE		732,000	
		· .		the second second	
11EM #4		VIEWER, COMMAND MATR FV-1 & FV-2, $\triangle$ 12 SCHEDU		32, 261, 000	
				an a	
PROBABLE FU			an a	en ann an Air br>Maraige anns a' fhair an Air anns an Air a Air an Air an	
ITEM #2	<b>R &amp; D</b> -	UTB, 10010, SPARES, CER-	VIT & ULE	34, 115, 000	
			and an an and a start of the second secon Second second	491	. 272, 320
	CPAN CONT	FENT DOES NOT INCLUDE S	A INTECDATION		
			•	Special Handling	
				Secret-	
•					
•					

pecial Handling							•	14	$\bigvee$
-Secret		PROG	RAM COI	CEPT					
YSTEM SEGMENT: PHOTOGRA	PHIC PAV		•	CON			OF 17 N	-	
	4100151		1	CON	IRACIO	JR: LASI	MAN KO	DAR CO.	
STIMATE OF REQUIRED UNDING (MILLIONS OF				· ·			· ·	• •	
DOLLARS)	67	68	<u>69</u>	70	<u>71</u>	72	73	TOTAL	
OMPACT 12 SCHEDULE*	75.1	152.8	146.2	61.0	38.1	18.2	• 0	491.3	inf
<pre>/ \PACT 12+12 SCHEDULE**</pre>	75.1	99.0	100.0	100.0	71.0	39.0	22.9	507.0	iendo
HE FUNDING SHOWN ABOVE T OLLOWING:	O SUPPOR	LT THE A	SSOCIAT	ED SCHE	DULES,	SUBJEC	T TO TH	Ε.	
HE FUNDING SHOWN ABOVE T OLLOWING: 1) THE SCHEDULE ADJUS LEVEL ACTIVITY AT E LEVEL AND LM ACTIV DEVELOPMENT ACTIV 2) OUR SUBCONTRACTOR AND ALSO A COMPACT	TMENT IS EKC ONE C /ITY AT EI /ITY IS STI S ARE ABI T 12+12 SC	ACCOMI ALENDA KC ONE ( RETCHEI LE TO MI HEDULE	SSOCIAT PLISHED R YEAR, CALENDA D TO A "2 EET BOT	ED SCHE BY (A) D AND (B) R YEAR 2 YEARS H OUR F	DULES, ELAYIN DELAY , (C) CC WORK I	SUBJEC G COMP ING QM DA AND L N 3 YEA BOGIES	T TO TH ACT 12 N AND FM M COMP RS'' SCHE	E. M COA ONENT CDULE.	
HE FUNDING SHOWN ABOVE T OLLOWING: 1) THE SCHEDULE ADJUS LEVEL ACTIVITY AT E LEVEL AND LM ACTIV DEVELOPMENT ACTIV 2) OUR SUBCONTRACTOR	TMENT IS EKC ONE C /ITY AT EI /ITY IS STI S ARE ABI T 12+12 SC FION IS CO	ACCOMI ALENDA KC ONE ( RETCHEI LE TO MI HEDULE	SSOCIAT PLISHED R YEAR, CALENDA D TO A "2 EET BOT	ED SCHE BY (A) D AND (B) R YEAR 2 YEARS H OUR F	DULES, ELAYIN DELAY , (C) CC WORK I	SUBJEC G COMP ING QM DA AND L N 3 YEA BOGIES	T TO TH ACT 12 N AND FM M COMP RS'' SCHE	E. M COA ONENT CDULE.	
LEVEL ACTIVITY AT E LEVEL AND LM ACTIV DEVELOPMENT ACTIV 2) OUR SUBCONTRACTOR AND ALSO A COMPACT 3) INTERFACE NEGOTIAT	TMENT IS EKC ONE C VITY AT EI VITY IS STI S ARE ABI T 12+12 SC TION IS CO IREMENTS	ACCOMI ALENDA KC ONE ( RETCHEI LE TO MI HEDULE MPATAB	SSOCIAT PLISHED R YEAR, CALENDA D TO A "2 EET BOT LE WITH	ED SCHE BY (A) D AND (B) AR YEAR YEARS H OUR F	DULES, ELAYIN DELAY , (C) CC WORK I UNDING	SUBJEC G COMP ING QM DA AND L N 3 YEA BOGIES	T TO TH ACT 12 N AND FM M COMP RS'' SCHE	E. M COA ONENT CDULE.	

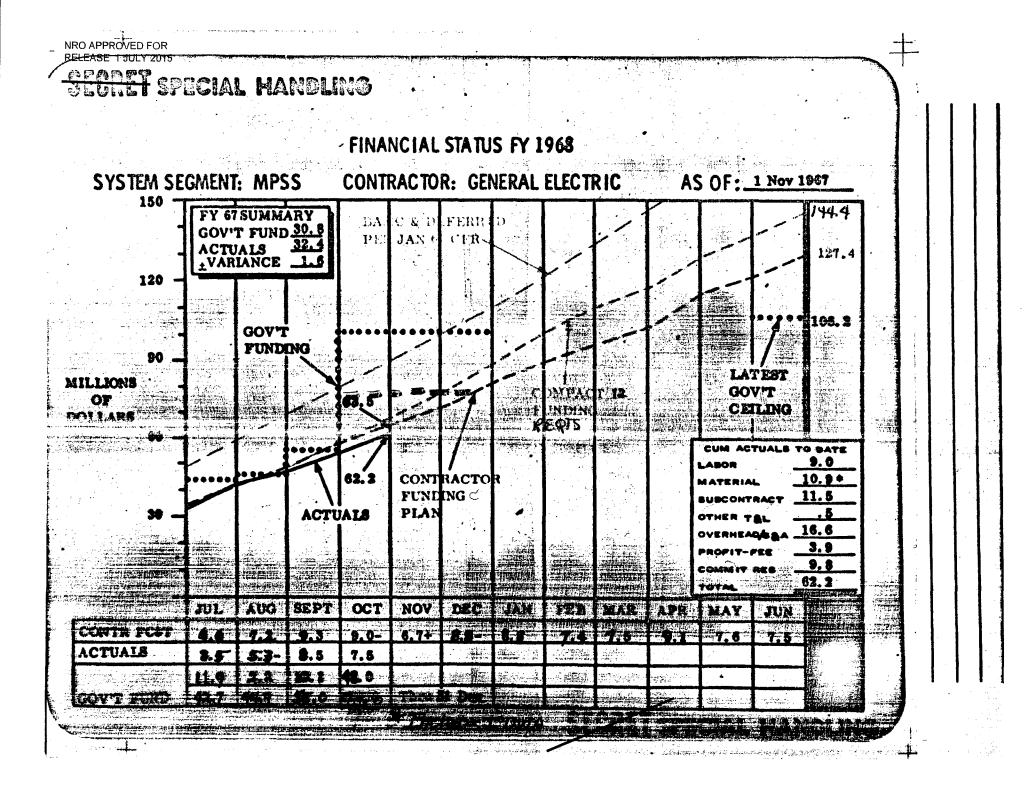
NRO APPROVED FOR RELEASE 1 JULY 2015

# SECRET SPECIAL HANDLING

PROGRAM REVIEW COUNCIL MEETING 17 NOVEMBER 1967

-SEC

PECIAL MANDLING



RELEASE 1 JULY 2015

SECRET SPECIAL HANDLING

CHANGES IN FISCAL PROGRAMS

GE FOLLOWED:

\$144.4M PLAN UNTIL I JULY 67

THEN

\$127.4M PLAN UNTIL II SEPT

THEN 🗠

ON II SEPT BEGAN MAJOR EFFORTS TO GET

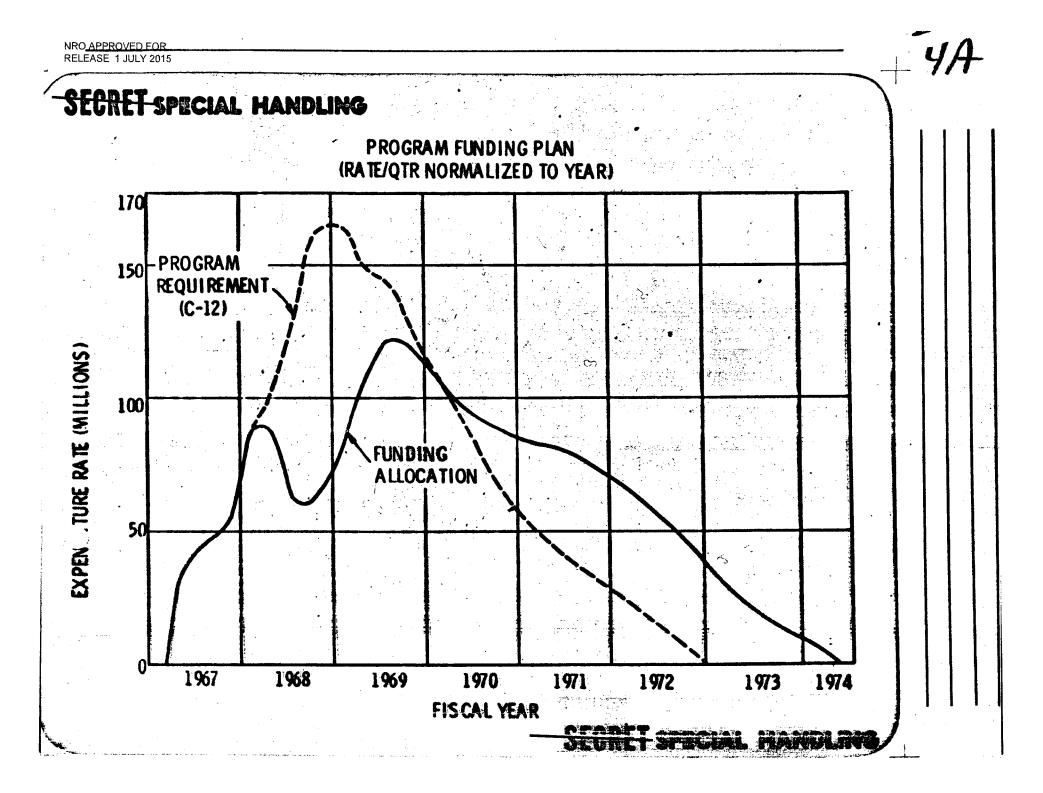
BELOW THE \$127.4M PLAN

NOW ALLOCATED \$106.2M

SECRET-SPECIAL HANDLING

1		0,5 0,4 0,6 0,1 7,2 5,3 124,9		0,6 0,5 1.2 0,1 9,0 7,5 112,0	0,4	0.4 2.4 8.3	Q.5 Q.6 8.8	0.5	Q.5 Q.6 7.5	Q.5 Q.6 Q.1	Q.5 Q.6 7.6		5.8 12.6 95.0
4.1	Q.5 1,2 2.3 6.6	0.4 0.6 0.1 7.2	0.4 2.4 3.1 9.3	0.5 1.2 0.1 9.0	1.2	2.4	Q. 6	0.6	Q. 6	<b>Q.6</b>	Q. 6	Q. 6	12.6
4.1	Q.5 1,2 2.3 6.6	0.4 0.6 0.1 7.2	0.4 2.4 3.1 9.3	0.5 1.2 0.1 9.0	1.2	2.4	Q. 6	0.6	Q. 6	<b>Q.6</b>	Q. 6	Q. 6	12.6
2,1	Q 5 1, 2	Q.4 Q.6	0.4 2.4	0. ś 1. 2									
2,1	Q. 5	0.4	0.4										
2,1	Q. 5	0.4	0.4							0,5	0.5		
2 1					0.4	0.4	Q.5	Q.5	Q.5	<b>U</b> 2	0.5	0,5	7.8
H	0 1	05	05	ΛΛ	01	0 1	05	05	05	0 5	በፍ	- <b>n</b> 5	
				•		· · · · ·							
5.2	5.7	4.8	5.0	6.8					•				
	5.0	6.1	6.4	7.2	5.1	5.5	7.7	6.3	6.4	80	6.5	6.4	76.7
<u>a 1</u>	1.6	1.3	1.5	2,2									
	1.7	1.9	2.0	2,4	1.8	1.9	2.5	2.0	2.0	2.5	2.0	2.0	24.7
13	0.1				. <b>/</b>	<b>W</b> 1		· · ·			. 46 2		
<u>, y</u>		1.2	1,1	1.1	-	01	01	· · · ·	01	•	01	-	97
	1.4		2.0	1.2	1.5	1.1	2.1	23	2.3	- 5,1	2,4	2.5	24.8
5.4	1,0	1.2					07	0.0					04.0
	0.8	1.7			0.8	0,8	1.2	1.0	1.0	1.2	1,0	1.0	13,6
5.5	0.8	0.7	0.8	1.1				1. C.					
	1.0	11	<u>`1.1</u>	1.3	1.0	1.0	1.2	1.0	1.0	1.2	1.0	0,9	12.8
AL	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Y67					(MIL	LIONS	OF DO	LLARS	)				FY68
	· .			<u>B</u> }	1 6021	ELEME	<u>'NI</u>	<u>C12</u>		FOLLOV	VED SIN	NCE1J	<b>ULY 67</b>
	(67 AL 5 5 4 1 2 3	/67         AL         JUL         1.0         5         0.8         0.4         1.0         1.4         9         0.1         1.3         1.7         1.1         5.0	/67         AL       JUL       AUG         1.0       1.1         5       0.8       0.7         0.8       1.7         0.4       1.0       1.2         1.4       1.4         1.9       2.2       1.5         0.1       -         1.3       0.1       0.1         1.7       1.9       1.7         1.1       1.6       1.3         5.0       6.1       3	1/67         AL       JUL       AUG       SEP         1.0       1.1       1.1         5       0.8       0.7       0.8         0.8       1.7       1.2         0.4       1.0       1.2       1.5         1.4       1.4       2.0         1.9       2.2       1.5       1.1         0.1       -       0.1         1.3       0.1       0.1       0.1         1.7       1.9       2.0         1.1       1.6       1.3       1.5         5.0       6.1       6.4	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	BY COST ELEMENT         C12 PLAN (           (67         (MILLIONS OF DOLLARS)           AL         JUL         AUG         SEP         OCT         NOV         DEC         JAN         FEB         MAR           1.0         1.1         1.1         1.3         1.0         1.0         1.2         1.0         1.0           5         0.8         0.7         0.8         1.1         -         -         -           0.8         1.7         1.2         1.9         0.8         0.8         1.2         1.0         1.0           0.4         1.0         1.2         1.5         1.8         -         -         -           1.4         1.4         2.0         1.5         1.5         1.7         2.7         2.3         2.3           1.9         2.2         1.5         1.1         1.7         -         -         -           1.3         0.1         0.1         -         0.1         -         0.1         -         1           1.3         0.1         0.1         -         0.1         -         -         -         -           1.1         1.6         1.3         1.5	BY COST ELEMENT         C12 PLAN (FOLLOV (MILLIONS OF DOLLARS)           AL         JUL         AUG         SEP         OCT         NOV         DEC         JAN         FEB         MAR         APR           1.0         1.1         1.1         1.3         1.0         1.0         1.2         1.0         1.0         1.2           5         0.8         0.7         0.8         1.1         -         -         -         -           0.8         1.7         1.2         1.9         0.8         0.8         1.2         1.0         1.0         1.2           6.4         1.0         1.2         1.5         1.8         -         -         -           1.4         1.4         2.0         1.5         1.5         1.7         2.7         2.3         2.3         3.1           1.9         2.2         1.5         1.1         1.7         -         -         -         -         -           1.4         1.4         2.0         2.4         1.8         1.9         2.5         2.0         2.0         2.5           1.3         0.1         0.1         -         -         -         -         - </td <td>BY COST ELEMENT         C12 PLAN (FOLLOWED SINE)           (67         (MILLIONS OF DOLLARS)           AL         JUL         AUG         SEP         OCT         NOV         DEC         JAN         FEB         MAR         APR         MAY           1.0         1.1         1.1         1.3         1.0         1.0         1.2         1.0         1.0         1.2         1.0           5         0.8         0.7         0.8         1.1         -         -         -         -         -         -         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0           6.5         0.8         0.7         0.8         1.1         -</td> <td>BY COST ELEMENT       C12 PLAN (FOLLOWED SINCE 1.)         (67       (MILLIONS OF DOLLARS)         AL       JUL       AUG       SEP       OCT       NOV       DEC       JAN       FEB       MAR       APR       MAY       JUN         1.0       1.1       1.1       1.3       1.0       1.0       1.2       1.0       1.0       1.2       1.0       0.9         5       0.8       0.7       0.8       1.1       -       -       -       -       -       -       -       -       0.9       -       5       0.8       0.7       0.8       1.1       -</td>	BY COST ELEMENT         C12 PLAN (FOLLOWED SINE)           (67         (MILLIONS OF DOLLARS)           AL         JUL         AUG         SEP         OCT         NOV         DEC         JAN         FEB         MAR         APR         MAY           1.0         1.1         1.1         1.3         1.0         1.0         1.2         1.0         1.0         1.2         1.0           5         0.8         0.7         0.8         1.1         -         -         -         -         -         -         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0         1.0         1.2         1.0           6.5         0.8         0.7         0.8         1.1         -	BY COST ELEMENT       C12 PLAN (FOLLOWED SINCE 1.)         (67       (MILLIONS OF DOLLARS)         AL       JUL       AUG       SEP       OCT       NOV       DEC       JAN       FEB       MAR       APR       MAY       JUN         1.0       1.1       1.1       1.3       1.0       1.0       1.2       1.0       1.0       1.2       1.0       0.9         5       0.8       0.7       0.8       1.1       -       -       -       -       -       -       -       -       0.9       -       5       0.8       0.7       0.8       1.1       -

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RELEASE	1 JULY 2015

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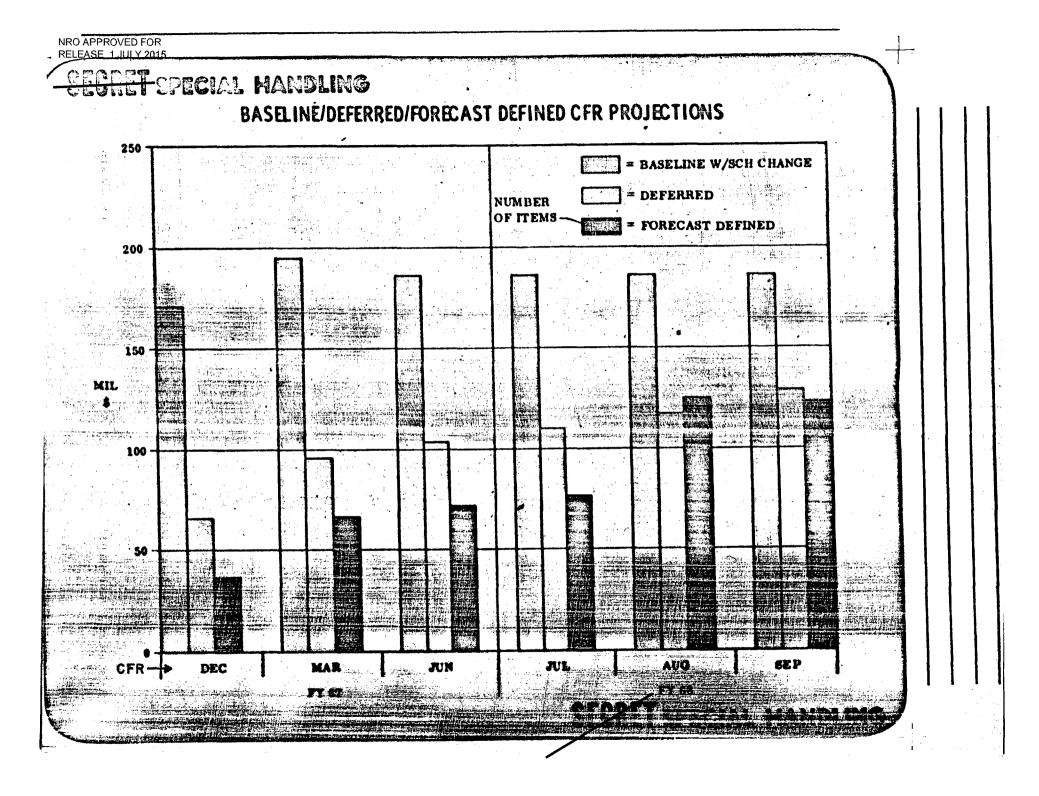
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	5 5 9 9 7		FISCAL YE	EARS				
	67	<u>68</u>	<u>69</u>	70	<u>n</u>	72	<u>73</u>	TOTAL
66 BASELINE	an Andreas An Angeler An Angeler		¥.U				•	
DEC 66	47.1	122.7	62.3	30, 1	-11.0			273.2
MAR 67	33.7	77.3	99.7	88.0	40. 8	13.9	.6	354.0
JUN 67	33.0	100.2	111,1	68.9	36.9	13, 1		363.2
a Antonio Constructiona de la construcción de la construcción de la construcción de la construcción de la const La construcción de la construcción d La construcción de la construcción d		inner ann an Arland Arland Bailtean Airtean Airtean Airtean Airtean Airtean Airtean Airtean						
MPACT 12 BASELINE							de la constant constan de la constant con constant constant const constant constant br>constant constant	an an an Anna a Anna an Anna an Anna an Anna an
JUL 67	32.4	102.3	113.8	71, 2	39.8	13.5		373.0
AUG 67	32.4	124.9	135.0	81,3	45.4	13.6		432, 6
SEP 67	32.4	128, 1	139.1	84, 3	41.9	14, 4	5	440,2
OCT 67	32.4	112.0	152,1	86, 3	41.9	14,4		439.1
		an anan an	an a	7-10-10-10-10-10-10-10-10-10-10-10-10-10-				
	•	(		2.4				· · ·

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RELEASE	1	JULY	2015

# PROGRAM CONTENT BASIC - DESIGN DEVELOP AND TEST: (COMPACT 12 SCHEDULE) • 5 PRIME VEHICLES (3 MANNED, 2 AUTOMATIC) FOR

- DELIVERY FROM GE PHILADELPHIA
- AUTOMATIC CHECKOUT EQUIPMENT (3 SETS) & MAGE
- SIMULATOR & TRAINER FOR VANDENBURG

# DEFERRED

SYSTEMS DEVELOPMENT, QUALIFICATION AND FIELD
 SUPPORT

DOLLARS (MILLIONS)

189

170 5

107

- LOGISTICS & SPARES PROGRAM
- ACQUISITION SUBSYSTEM
- GROUND ALIGNMENT EQUIPMENT

IDENTIFIED AND INCLUDED - 77 ITEMS (25 AUTHORIZED & 52 DEFINED) INCLUDING

- IMAGE VELOCITY SENSOR AND TESTER
- SAFSL 10010

**CRET SPECIAL HANDLING** 

- ADDITIONAL MISSION MODULE TEST SETS (2)
- FLIGHT 1 & 2
- AUTOMATIC MODE EQUIPMENT

FY 68	ATION OF FORECASTS	TOTAL	
• REVISED FUNDING FORECAST PR TO PROGRAM PLAN AND FUND LI	· · · · · · · · · · · · · · · · · · ·	<ul> <li>DIRECTED DOOR CHANGE</li> <li>SCHEDULE EXTENSION</li> <li>INCREASED FIELD SUPPORT REQUIREMENT</li> <li>ADDITIONAL ACQUISITION</li> <li>S/S TECH REQUIREMENTS</li> </ul>	
<ul> <li>ANGULAR ACCELEROMETER</li> <li>IVS TESTER</li> <li>2D MOL CITE FOR HB</li> <li>POWER INTERRUPT</li> <li>EXTENDED BEARING TESTS</li> </ul>	<ul> <li>TRANSFER SIMULATOR COMPUTER DACO TO GE</li> <li>2D MOL CITE FOR HB</li> <li>ANGULAR ACCELEROM- ETER</li> <li>POWER INTERRUPT</li> </ul>	• COMPACT 13 DELTA	
• INCREASED IVE COSTS	• ADDITIONAL COMPUTER PROGRAMMING RE- QUIREMENTS	• KAPTON WIRE	
• THREE SOURCE DEVELOP- MENTS FOR IVS HARDWARE	• LOGISTICS SPARE RE- QUIREMENTS	• SAFSL EXH 10010 IMPLE- MENTATION	
ADDITIONAL ACQUISITION 8/8     TECH REQUIREMENTS	• SUNNYVALE GROUND STATION EFFORT	• DEVIATIONS IN SAFSL EXH 10010 REQUIRE- MENTS	

# SECRET SPECIAL HANDLING

TODAY'S UNDERSTANDING VS DEC 66

ROLES AND RESPONSIBILITIES BETTER DEFINED. INTERFACES WELL ESTABLISHED BUT NOT YET COMPLETE. FUNDING PROJECTION NOW REFLECTS ALL IDENTIFIED REQUIREMENTS (I.E., SAFSL 10010, IVS, ETC.) TEST PROGRAM STILL UNDECIDED HOWEVER:

PROGRAM IS FY FUND LIMITED

THEREFORE: MUST CONTINUE TO REDUCE PROGRAM CONTENT BY:

- WORKING STRAWMAN LIKE PROGRAMS/SCHEDULES.
- IDENTIFYING ADDITIONAL COST REDUCTION ITEMS.
- TAILOR SCHEDULE TO AVAIL FY FUNDS.

# SECRET SPECIAL HANDLING

NRO APPROVED FOR RELEASE 1 JULY 2015

SECRET SPECIAL HANDLING

•	HER	E IS I	MY UN	DERS	ΓAND	ING O	F THE	PROGRAM	NOW
FY FUNDING	<u>67</u>	<u>68</u>	<u>69</u>	<u>70</u>	<u>71</u>	<u>72</u>	<u>73</u>	. <u>74</u>	TOTAL
(MILLIONS OF \$)	32	73	106	90	86	59	20	3	469
			•••				ст. (д. 1977) 1977 — П. 1977 — П. 1		

WITH THE PROGRAM CONTENT WE HAVE NOW, AS I CAN FORESEE IT, THIS FUNDING WILL, SUPPORT A SCHEDULF ADJUSTMENT OF:

APPROXIMATELY 14 MONTHS ADDITIONAL TO THE COMPACT 12

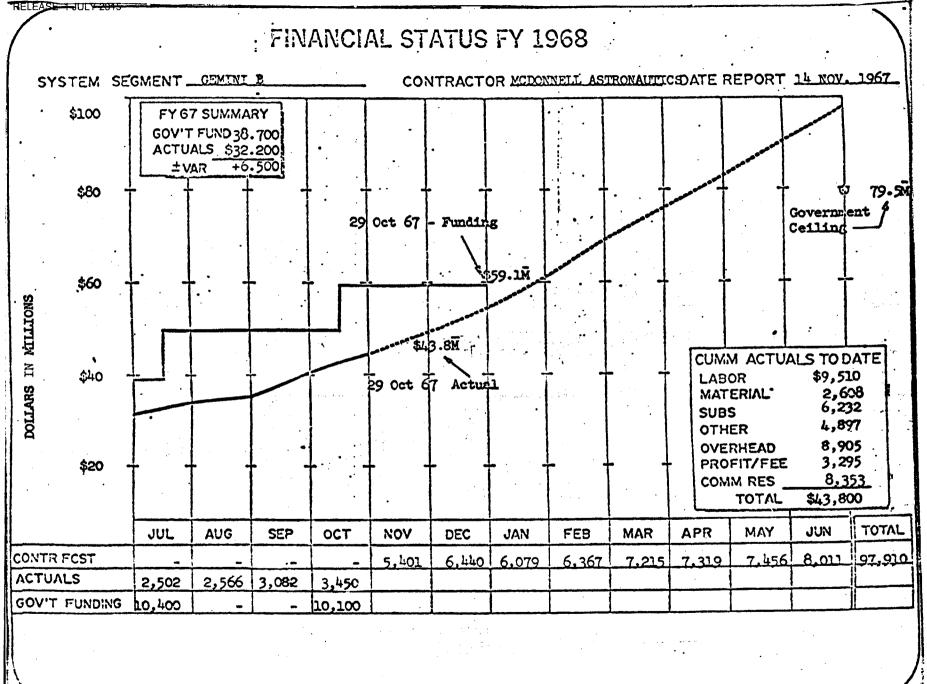
• TO GET BACK FROM C 12 + 14 MOS TO C 12 + 12 MOS

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FUNDING REQM'TS WOULD BE		and an	and the second second	ې د د د د د د د د د د د د د د د د د د د
FY FUNDING 67 68	3 69 70 71		TOT	AL
(MILLIONS OF \$) 32 7	9 106 90 83	-56 18	46	4

SPECIAL HANDLING

NRO APPROVED FOR



NRO APPROVED FOR RELEASE 1 JULY 2015

## CHANGES IN FY 68 PROGRAM PLAN

## MC DONNELL

UNTIL JULY WE WERE FOLLOWING: A 68 PLAN OF \$108.6 CUMULATIVE

FROM JULY TO SEPTEMBER WE WERE FOLLOWING A 68 PLAN OF \$104.8

SINCE OCTOBER WE WERE FOLLOWING

A 68 PLAN OF \$97.9

UNTIL TWX REDUCTION TO \$79.5

OF 8 NOVEMBER

RO APPROVED FOR RELEASE 1 JULY 2015 \* 5 Week Accounting Month

FINANCIAL STATUS FY 1968 BY COST ELEMENT 14 November 1967

				ور المحمول				USANDS)			+		<u> </u>		EV CO
		FY67 TOTAL	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	FY68 TOTAL
LABOR	F						818	1235	1078	1124	1401	1078	1116		11904
	A	6763	598	610	812	727									
	F	· ·					1161	1290	1021	1122	1226	1204	1204	1204	10563
MATERIAL	A	1457	333	299	90	429									
SUBS	F						683	683	1083		_1083	1657	1657	1657	11595
	<u>^</u>	4215	410	495	472	640									<u> </u>
OTHER	F						703	842	920	949	1039	1081	1087	<u>8</u>	9391
	A	3272	304	410	447	464									
OVRHEAD BGBA	F						870	. 1321	1166	1213	1510	1165	1205	1408	12247
	A	6516	579_	437	690	683								i 	
TOT CONTR EXPEND	F					· · ·	4235	_5371	5268	5491	6259	6185	6269	6694	55700
CAFEND	A	22223	2224	2251	2511	2943								•	
	F		·				434	551	540	563	642	634	641	686	5710
PROFIVFEE	A	2277	228	231	257	302			e e						
· ·		· .				÷.	10 7 1440 								
UNCANC	F						354	378	403	423	442	549	549	549	1300
CQ' 'IT	A	7700	50	84	314	205									
												•			
TOTAL	F						5023	6300	6211	6477	7343	<b>7368</b>	7455	7929	6573
	A	32200	2502	2566	3080	3450								<u> </u>	
											•				
HISTORYO			76028	70570	70570	65710								· _	
IVI FTOOP		I	76238	72579	72579	65710	L	L	L	l		L		L	
					•		•		•						
Contraction of the local division of the loc						•				······					

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#### NRO APPROVED FOR

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DEL	-	 -	111-31	-	NO.4	

ELEASE 1 JULY 2015	•		•		MANPOW	EP.			14
			A	LL FISCAL	YEAPS/DI	RECT & IND	IRECT		
•		system seg	MENT: GEMIN	IB )	CONTPACT	OR: (MCDONNE	LL ASTRONAUT	AS OF:	14 Novemb
			FY_6	88		FY 69	FY 70	FY 71	FY 72
FUNCTION		1	2	3	4	4	4	4	2
	<u>P</u>								
· · · · · · · · · · · · · · · · · · ·	X		· · · · · · · · · · · · · · · · · · ·						
	F	·	698	·772	777	791	721	307	50
EDRING	<u>^</u>	592							
N N	F		412	598	603	. 669	250	50	8
ACTURING	<u>\</u>	253	<u>.                                    </u>			· · · · · · · · · · · · · · · · · · ·			
	F		60	94	109	136	90		2
TY ASSURANCE		36		<u> </u>					
	F		14	14	14	14	<u> </u>		<u></u>
CT CONTROL									
	F A	•	40	67	73		375		187
E_OPERATIONS		35							
i Al Direct	F		1224	1545	1576	1781	1450	793	247
	λ	928		l			·		
		······		r				·	
TOTAL INDIRECT	F		857	1082	1101	1247	1015	555_	173
	A	650	l						
	<b>1</b>	· 		······	•				
TOTAL	F		2081	2627	2679	3028	2465	1348	420
		1578							
<b>١</b>						04			

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# MANPOWER

CURRENT FY 68 DIRECT & INDIRECT

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SYSTEM SEGMENT: GEMINI B

CONTRACTOR: MCDONNELL ASTRONAUTICS

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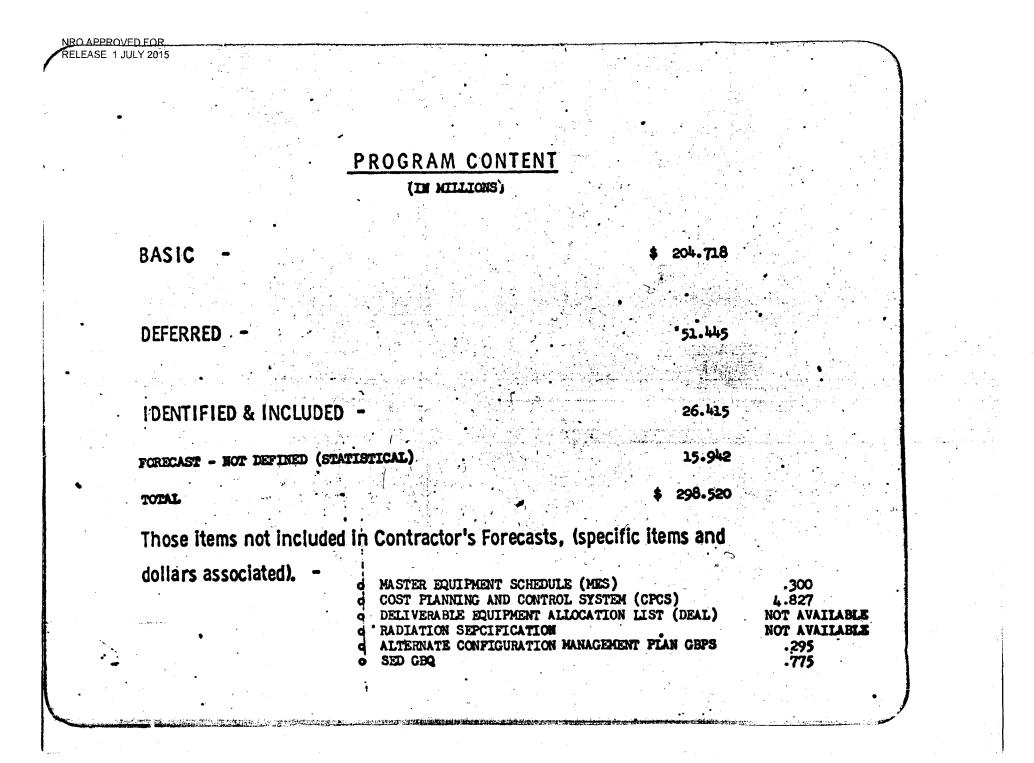
AS OF: 14 Nov. 196

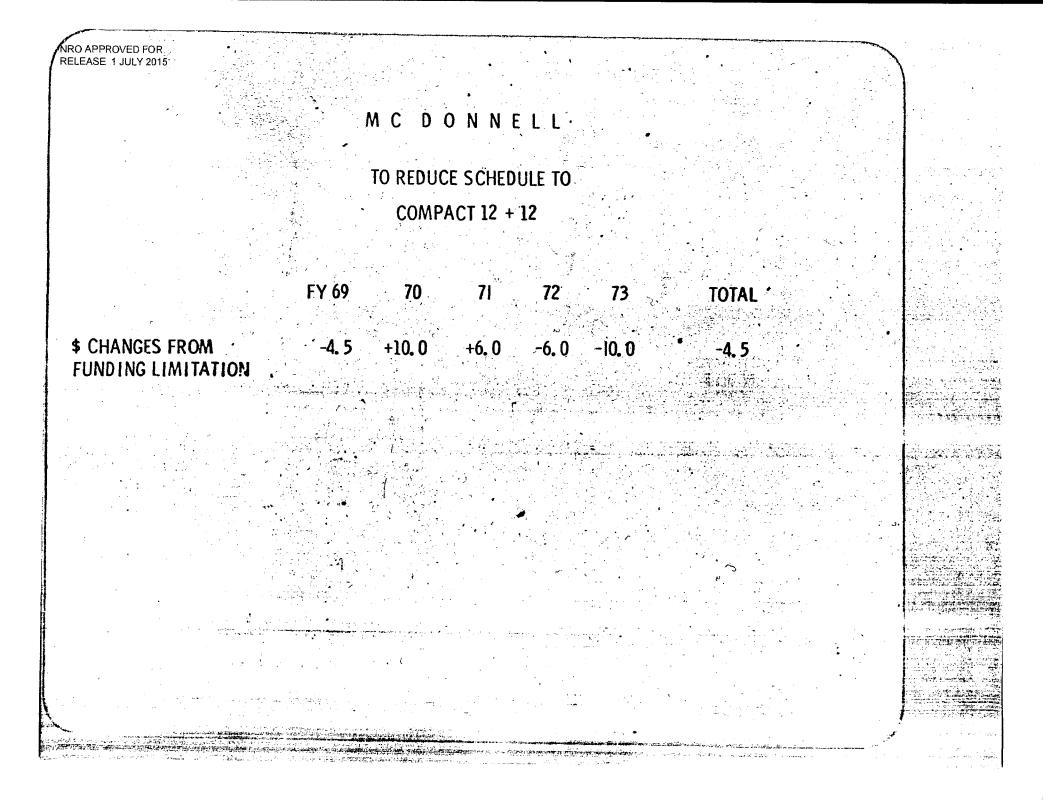
Y FUNCTION		JUL	Aug	Sep	Ост	Nov	DEC	JAN	Feb	Mar	Apr	MAY	אטל
	F					700	760	772	772	772	777		
ENGINEERING	A	613	563	599	633								
	7					416	516	598	598	598	603	603	603
MANUFACTURING	A	217	252	289	304								
	F					61	76	94	94	94	109		
QUALITY ASSURA	CB	34	36	39	42		• •						
	F			·		14	14	14_	14	14	14	14	1
PROJECT CONTROL		12	12	<u> </u>			r						-
	F					40	40_	40	40	40	40	40	40
REMOTE OPERATIO	RN BN	- 35	35	36	35	ļ							
	F		•			ļ							
	<u>A</u>												
TOT DIRECT	F					1231	1406	.1518	1518	_1518_	1543	1543	154
	A	911	898	974	1025	l							
	_					·			ij.				<b></b>
TOT INDIRECT	F					862	984	1063	1063	1063	1080	1080	108
TOT INDIRECT	Α	638	629	682	718				·		<u> </u>		
TOTAL	F					2093	2390	2581	2581	2581	2623	.2623	_262
	A	1549	1527	1656	1743			<u> </u>	I		l		
					•				•				

NBO APPROVED FOR RELEASE 1 JULY 2015

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APPROVED FOR			Annahim <u>alahan kab</u> upatén Galapitén jerap		. ]	4 November 1	967	
	•	HIST	ORY OI	F .		•		
•	·		NG FOR	ECASTS		• •		
	•.	•-		ISCAL YEAR	s.	·	•	
	<u>67</u>	68_	69	<u>70</u>	<u>71</u>	<u>72</u>	TOTAL	
JEC 66 BASELINE		•			• • •		•	
DEC 66	59,283	86,257	39,244	15,986	1,358		202,127	
MAR 67	37,135	68,347	78,537	56,640	34,658	.3,917	279,234	
JUN 67	32,467	76,169	79,455	. 48,665	33,611	3,694	274,061	с. 19 <sup>11 г.</sup>
* EXCLUSIVE OF A RECOVERY AGE	UNY CHANGES WHICH WERE	3 AND REMO 5 DEFERRED	TE SITE, S	PARES, PACS, )	ission play	INING,		
2 COMPACT BASELINE		•	· · ·	<b>,</b>		•		
JUL 67	32,296	76,238	86,536	55,712	33,158	4,154	288,094	
AUG 67	32,200	72,579	87.771	61,669	32,848	4,162	291 <b>, 228</b>	
SEP 67	32,200	72,579	87,771	61,669	32,848	4,162	* 291,228	
OCT 67	32,200	65,710	93, 351	66,453	34,811		298,520	1

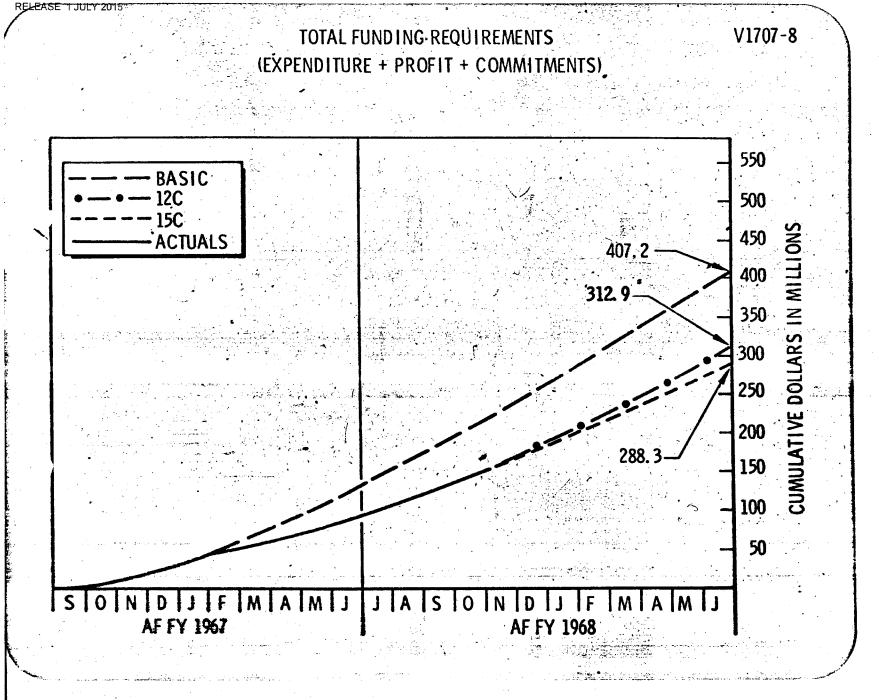


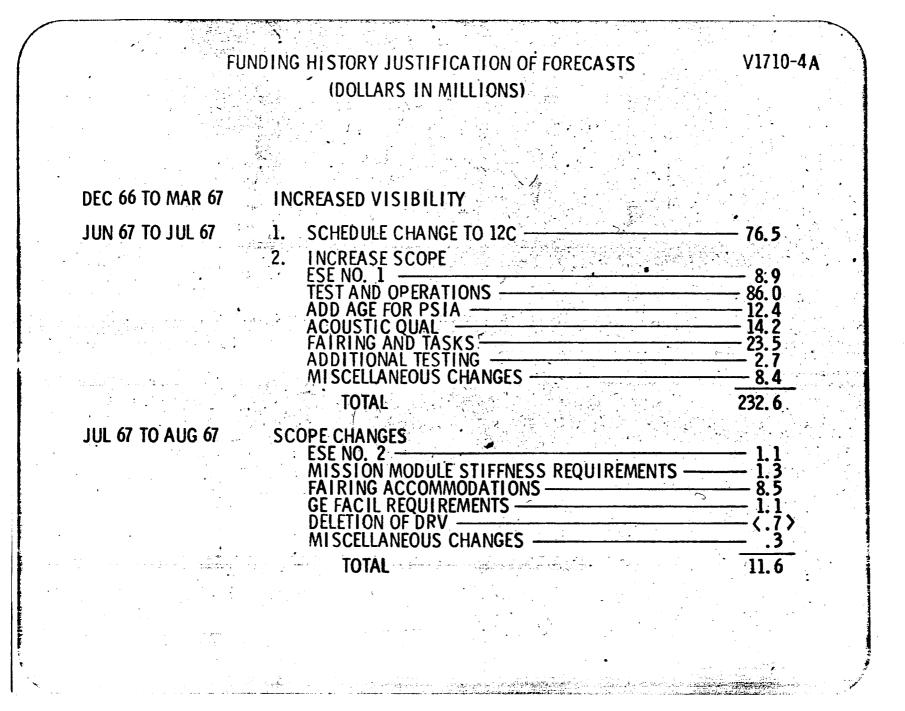


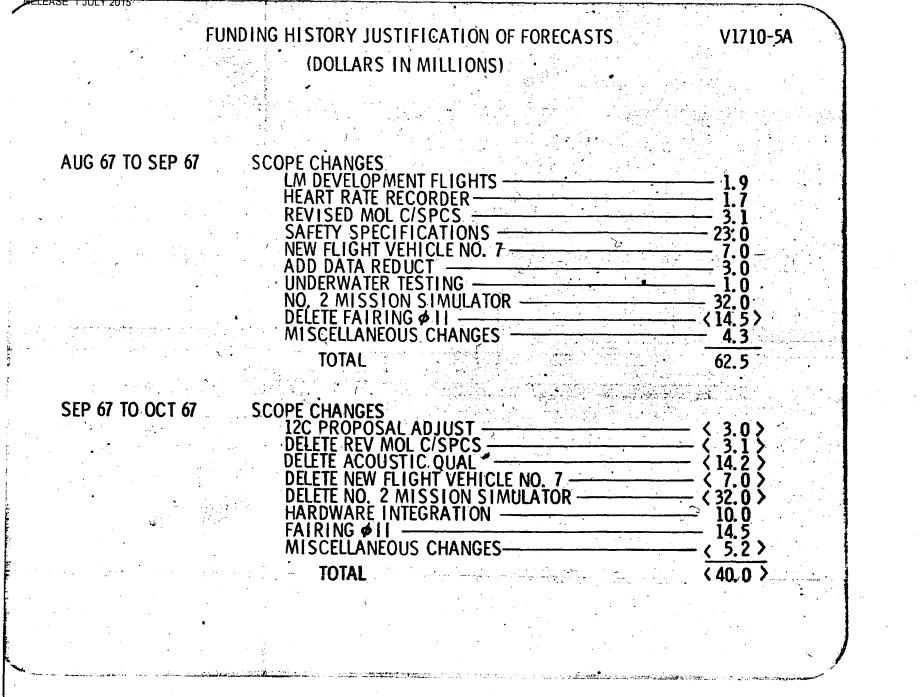
# HERE IS MY UNDERSTANDING OF THE PROGRAM NOW

	•		* <b>1</b> 4			•		ASSUME	D FUNDING	•	
	FUNDING		<u>67</u>	<u>68</u>	<u>69</u>	<u>70</u>	<u>71</u>	<u>72</u> ·	<u>73</u>	TOTAL	
	•	• •	32.2	47.3	68.0	50.0	50.0	50.0	27.4	324 <b>.9</b>	
•			32.2	79.500	147.500	197.500	247.5	297.5 3	124,9		•

With the program content we have now, as I can foresee it, this funding will support a schedule adjustment of: AN ADDITIONAL 15 MONTHS TO THE PRESENT 12C schedule for the delivery of the first gemini B flight article (GBQ). AN ADDITIONAL 16 MONTHS TO THE PRESENT 12C SCHEDULE FOR THE DELIVERY OF THE FIRST GEMINI B MANNED FLIGHT ARTICLE (AVE 2).







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			DING FORE N MILLION	•			V1709-8
			FIS	CAL YEAR	S		
	67	68	69	70	71	72	, TOTAL
• DEC 66 BASELINE							
• DEC 66	131.9	287.1	200.6	51.2	17.0	0	687.7
• MAR 67	127.3	281.7	187.1	73.5	18.1	0	687.7
• JUN 67	127.3	281.7	187.1	73.5	18.1	0	687.7
• 12 COMPACT BASELINE							
• JUL 67	95.1	211.9	251.4-	191.6	112.0	58.3	920.3
• AUG 67	95.1	213.7	256.7	191.6	116.0	53.9	931.9
• SEP 67	95.1	217.8	272.2	198.0	126.0	86.4	994.4
• OCT 67 (12C)	<del>9</del> 5.1	217.8	272.1	182.0	111.0	76.4	954.4

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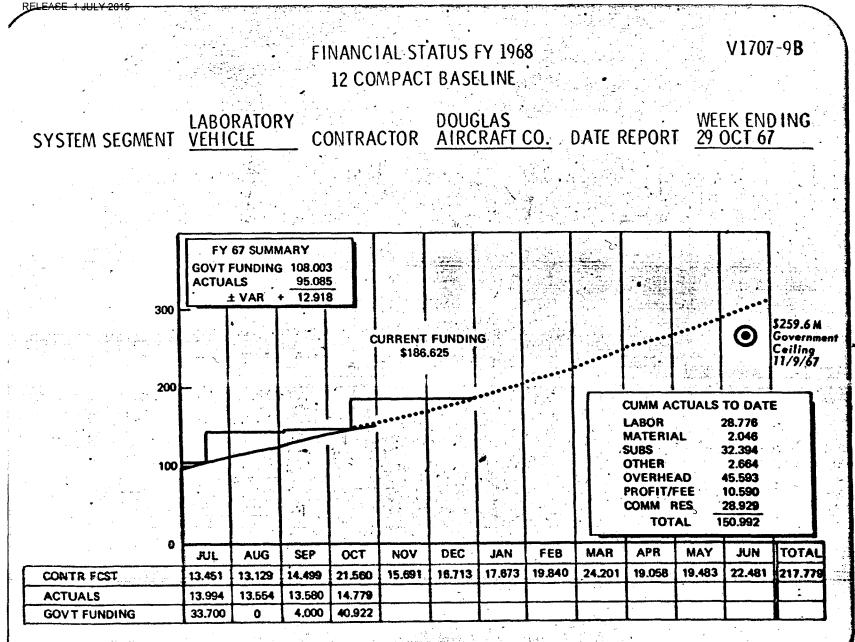
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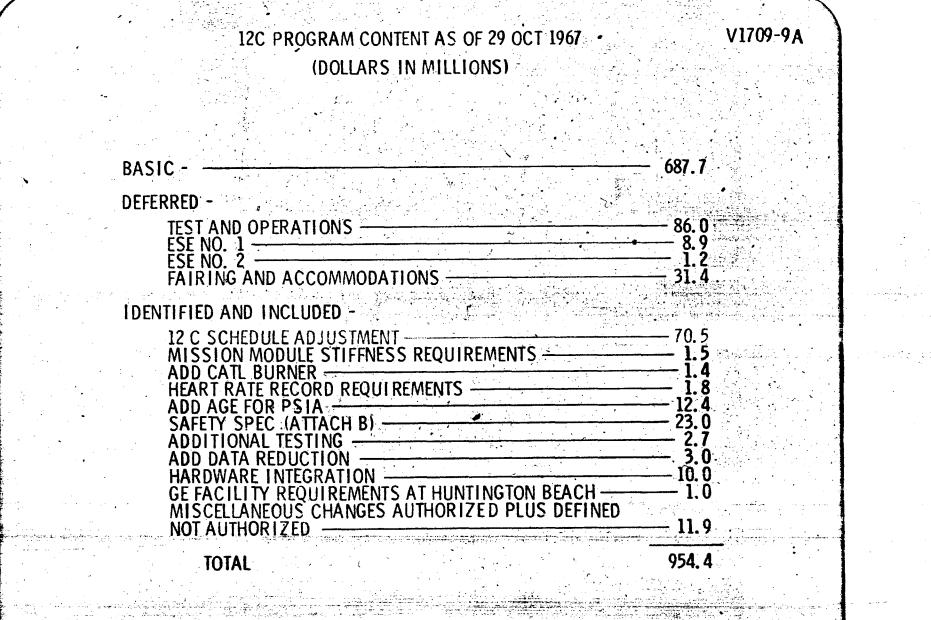
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						B	Y COS	TATUS TELEM CTBAS	ENT	08	•			V1706	-9 <b>A</b>
								194 19							
		FY 67 TOTAL	JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	FY 68 TOTAL
LABOR	۶Ļ	18.647	2.161	1.818	3.236	4.294	2.148	2.849	3.260	3.248	5.230	3.7.25	3.964	5.072	41.005
		18.647	2.302	2.251	2.272	3.304					•				·
MATERIAL	۶L	1.224	.160	.200	.290	.293	.483	.800	.870	1,100	1.080	1.280	1.440	1.567	9.563
	A	1.224	.211	.166	.154	.291					C				1.20
SUBS	F	14.298	4.706	4.527	1.751	15.711	8.067	6.441	6.712	7.871	5.688	4.570	4.334	3.531	73.909
	A	14.298	4.148	3.018	6.441	4.489						•			
OTHER	F	1.804	.225	.145	.220	.370	.157	.223	.221	.207	.347	.232	.231	.275	2.853
	٩ſ	1.804	.240	.180	.155	.285			-	an the second				and the second	
OVERHEAD	F	29.618	3.464	2.754	5.160	6,813	3.418	4.527	5.204	5.182	8.341	5.938	6.317	8.067	65.1 <b>85</b>
AND G & A	A	29.618	3.690	3.412	3.630	5.243									
TOT CONTR	F	65.591	10.716	9.444	10.657	27.481	14.273	14.840	16.267	17.608	20.686	15.745	16.286	18.512	192.517
EXPEND	A	65.591	10.591	9.027	12.652	13.612									
	F	6.231	1.019	.897	1.012	2.611	1.357	,1.410	1.545	1.673	1.965	1.496	1.547	1.759	18.289
PRU-IT/FEE	A	6.231	1.006	.858	1.202	1.293									
				·····				L	t	н Т	L	1		I	1 T
UNCANC	ł	23.263	1,716	2.788	2.830	(8.532)	.061	.463	(.139)	.559	1.550	1.187	1.650	2.210	6.973
COMMIT	<u>^</u>	23.263	2.397	3.669	(.274)	(.126)						1		<u> </u>	1
TOTAL	F	95.085	13.451	13.129	14,449	21.560	15.691	16.713	17.673	19.840	24.201	19.058	19.483	22.481	217.779
-	A	95.085	13.994	13.554	13.580	14.779				· · ·		<b>†</b> .			1
HISTORY OF	T	$\mathbf{X}$	211.900	213.700	217.779	217.779					Ī				T
	<b>.</b>	Commence of N	E	E	L		1	1	<u>.</u>	<b>L</b>		t,	1		1

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CHANGES IN FY 68 PROGRAM PLAN -- DOUGLAS

UNTIL FEBRUARY WE WERE FOLLOWING A 68 PLAN

OF \$407.2 MILLION CUMULATIVE.

FROM FEBRUARY UNTIL OCTOBER WE WERE FOLLOWING

A 68 PLAN OF \$312.9 MILLION CUMULATIVE.

FROM OCTOBER UNTIL NOVEMBER WE WERE FOLLOWING

A 68 PLAN OF \$288. 3 MILLION CUMULATIVE.

WE ARE NOW FOLLOWING A 68 PLAN OF \$259. 6 MILLION CUMULATIVE.

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• Martine Martine Line ......

· ,	• 		Ċ	URREN	M IT FY 68 12 Com	ANPOW DIREC PACT E	VER ET AND BASELII	INDIRE NE	CT.			V1707	-1
		SYST	EM SEGI	MENT:		COÑ	ITRACT	OR:			AS OF:		
• . •		Ĺ	ABORA	TORY V	EHICLE		DOUGL	ASAIR	CRAFT	CO	W/E	29 OCT	67
BY FUNCTION		JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR ·	MAY	JUN
SYSTEM	F	405	364	383	393	387	375	359	348	327	328	316	310
DEVELOPMENT	A	.321	334,	367	383		÷.	<u>ر</u> د					
DEVELOPMENT	F	1386	1406	1505	1533	1796	1796	1798	1808	1869	1938	1992	205
ENGINEERING	A	1268	1348	1410	1582								
CONFIGURATION	F	- 14	14	. 14	15	15	15	16	16	16	17	17	1
MANAGEMENT	A	10	10	10	12		-						•
PROGRAM	F	87	84	. 109 ′	108	116	117	117-	117	115	115	111	- 11
INTEGRATION	<b>A</b>	63	.62	64	86			•					• •
	F	· 110	125	220	204	240	275	329	.362	383	409	402	40
		87	99	100	107								
LOGISTICS	F	60	60	67	68	68	71	. 75	77	79	82	- 86	8
SUPPORT ·	A	54	- 49	- 51	58		:				~ ·	·	

New Sector Constants and the sector of the s 

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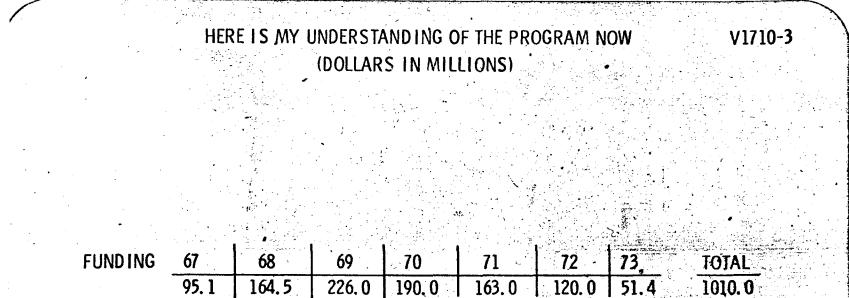
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· · · ·	•		C	CURŔEN	M IT FY 68 12 COM	ANPOW DIREC PACT B	/ER T AND ASELIN	I ND I RE JE	CT			V1707-	2 <b>A</b>	
		SYST	em seg	MENT:	1	CON	TRACTO	)R:		•	AS OF		· · ·	(1) The second secon
										C <b>O</b> .	W/E	29 OCT	67	
												•		
	1	-		050	ОСТ						APR	MAY	JUN	
BY FUNCTION		JUL .	AUG	SEP		NOV	DEC	JAN	FEB	MAR				P
MANUFACTURING	F	50	71	87	105 92	174	250	324	401	477	553	630	710	F 3
	A F	41 69	45 83	70 97	92 102	164	177	185	195	202	209	215	246	
PLANNING AND PROCUREMENT		70	· 85	99	131									
<u> </u>	F	115	175	213	233	368	442	472	500	529	546	552	553	$P_{\rm ext} = 0$
TOOLING	A	128	178	262	320					·				
	F	37	44	55	67	86	. 98	123	141	166	194	199	206	and the second
RELIABILITY	A	31	. 35	45										
ENGINEERING	F	. 90	115	124	133	142	. 152	175	184	189	213	222	234	E
C. ATIONS	<b>A</b>	76	58	82	96									
TOTAL DIRECT	F	2423	2541	2874	2961	3556	3768	3973	4149	4352	4602	4742	4935	4.
	<b>A</b>	2149	2301	2560	2914					<u> </u>	5			4
				· · · · · ·		<b>T</b>		· ,			1		1	-
TOTAL INDIRECT	F	1575	1652	1868	1925	2311	2449	2582	2697	2828	2991	3082	3206	-
·	<b>A</b>	1397	1496	1664	1894	a de la composición de							1	- Andrew State
	<b>T</b> _		1		1	1	T		1	1	1	7004	1	-
TOTAL	F	3996 3546	4193 3797	4742	4886	5867	6217	6555	6846	7180	7593	7824	8143	-1
	1	3040	3/9/	4224	4808		<u>I</u>	L	1	<u> </u>	I		1	
		5 4 <b>N</b> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				n nd i i	1997				د بر از معطور مراقع بین این این ا موجه معاد معاد بر از مراجع از از این از مراجع معاد بر از معاد بر از از محمد این	u to bat his and. San gan ang ba	х.,-	

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163.0

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WITH THE PROGRAM CONTENT WE HAVE NOW, AS I CAN FORSEE IT, THIS FUNDING WILL SUPPORT A SCHEDULE ADJUSTMENT OF: SEVEN (7) MONTHS SLIP IN FLIGHT VEHICLE NO. 3

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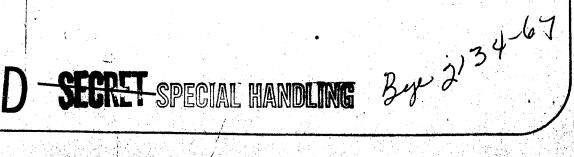
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WHS-538 Copy <u>3</u> Pages: 8 16 November 1967

### PROGRAM COST REDUCTION

#### CONSIDERATIONS





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Page 2

CONCEPTS

SCHEDULE SLIDE ALONE WILL NOT SOLVE FISCAL CRISIS

DELETIONS IN THE PROGRAM REQUIRED - PARTICULAR EMPHASIS
 NEEDED ON DELETIONS AFFECTING MANNING REQUIREMENTS
 FOR FY 68; DELETIONS OF TESTS NEEDED FOR FY 69

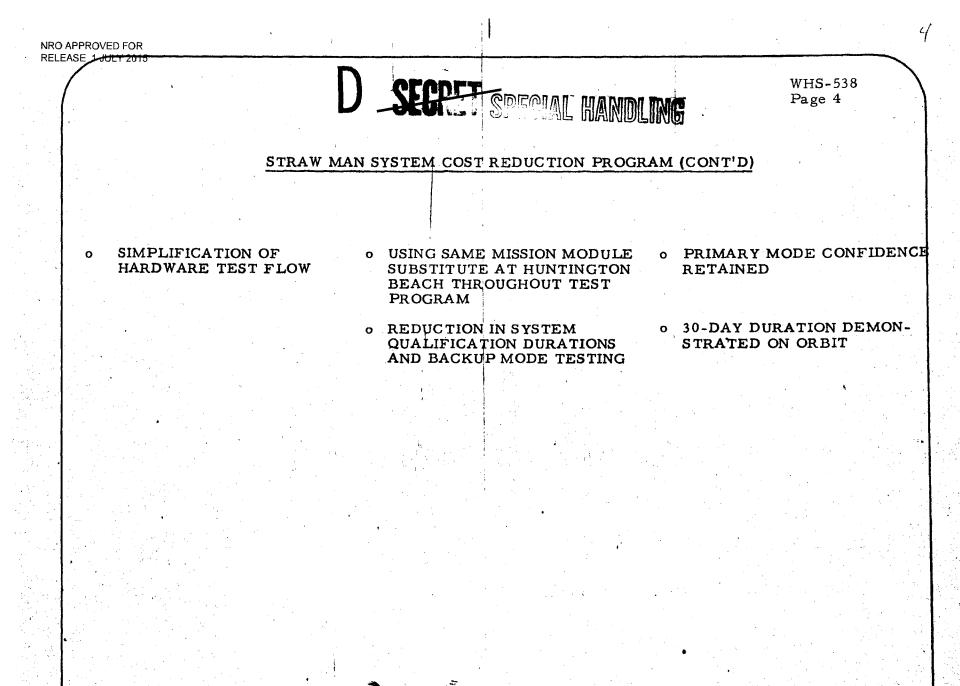
o GROUND RULES FOR CANDIDATES

WILL NOT UNDERMINE ULTIMATE OBJECTIVE OF OBTAINING UNMANNED SYSTEM

WILL NOT UNDERMINE DEMONSTRATION OF MANNED CAPABILITY OR RATIONALE FOR MANNED APPROACH



SE 1		(D) SECRET SPECIAL HANDLING	•	WHS-538 Page 3
	STRAW	MAN SYSTEM COST REDUCTION PRO	OGR.	<u>AM</u>
	ITEM	PROGRAM GAIN/IMPACT		RISK ASSESSMENT
ο	ELIMINATE FLIGHT 2	• DELETION OF HARDWARE	0	INCREASED, BUT STATISTICAL
		<ul> <li>LATER SCHEDULING OF FLIGHT 1 HARDWARE AND SUPPORT REQUIREMENTS</li> </ul>		
ο	ASSEMBLE ON PAD	<ul> <li>REDUCED TOTAL TIME OF LV CHECKOUT</li> </ul>	0	PRIMARILY SCHEDULE
		<ul> <li>REDUCTION OF HUNTINGTON BEACH SUPPORT REQUIRE- MENTS</li> </ul>	0	DELETION OF LOW LEVEL SHAKE
ο	ELIMINATION OF SECOND CHECKOUT CAPABILITY	• ELIMINATION OF 1 SET OF AGE AT GE AND DAC	0	PRIMARILY SCHEDULE
		<ul> <li>REDUCTION IN SUPPORT, ASSEMBLY &amp; CHECKOUT FUNCTIONS</li> </ul>	O	REQUIRES E LIMINATION OF LMQTV ACOUSTIC QUALIFICATION
		• OPENING OF LAUNCH CENTERS	5	
O	REDUCE GE AVE TESTING AT ROCHESTER	• SIMPLIFICATION OF MISSION MODULE TEST SET	0	REDUCTION IN CONFIDENCE
		• REDUCTION OF PROFILE TESTING	,	
		• ELIMINATION OF SIMULATED DYNAMICS TESTS		
		<ul> <li>REDUCTION OF GE TEST SUPPORT</li> </ul>		
$\mathbf{V}$		(D) <del>SECRET</del> -SPECIAL HANDLING	ь	





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#### (D) SEGRET-SPECIAL HANDLING

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TYPICAL ADDITIONAL ITEMS UNDER CONSIDERATION

• COMMITMENT TO GO TO LOW COEFFICIENT MATERIAL

- ELIMINATION OF LOUVERS

2-POSITION SLIDING MASK

ELIMINATION OF SECONDARY PLATEN

- ELIMINATION OF PROCESSOR

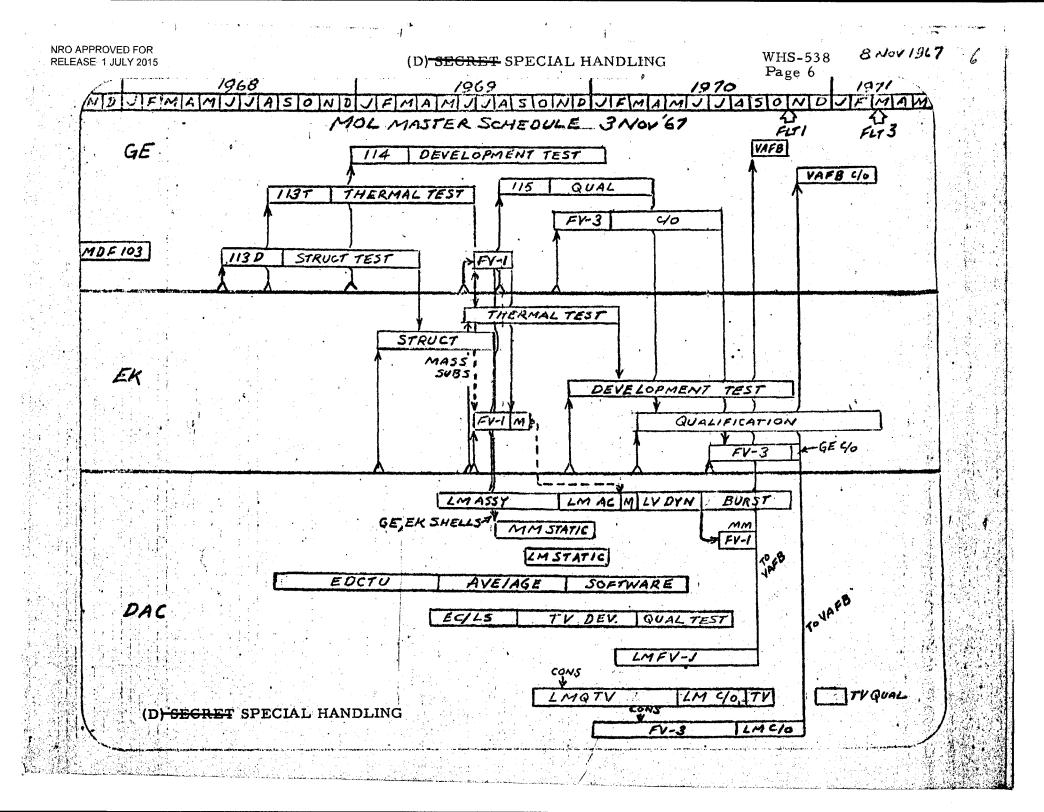
- ELIMINATION OF UNFUNDED VIEWER

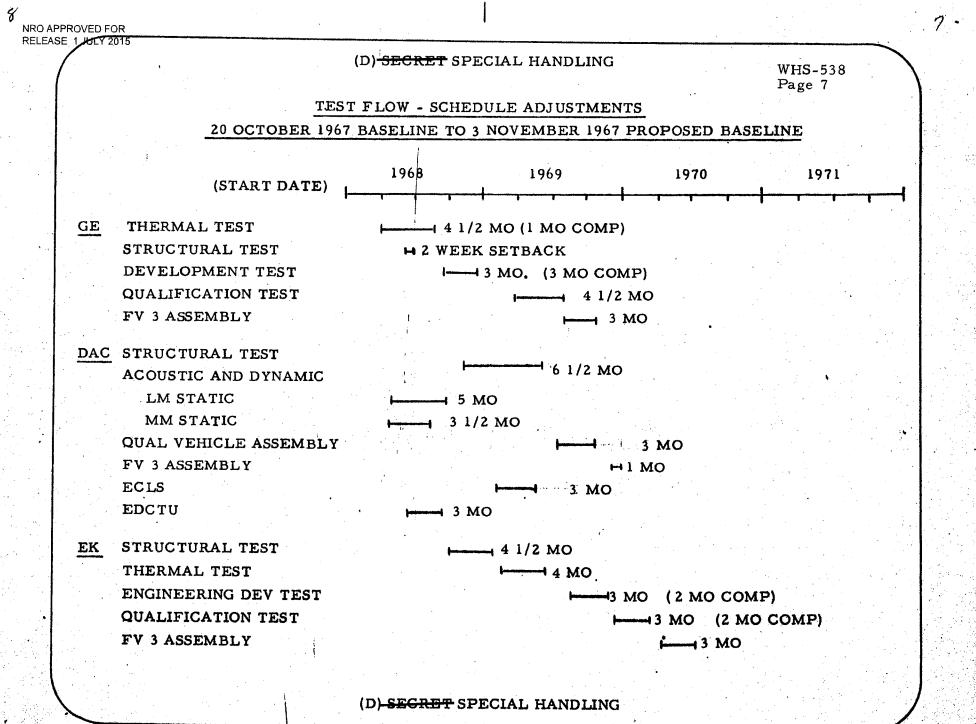
• SIMPLIFICATION OF VISUAL OPTICS

SINGLE POWER ON HIGH POWER SYSTEM

- ELIMINATION OF ALPHA NUMERICS, DEROTATION, AND LOW POWER RANGE ON ATS

(D) SEGRET-SPECIAL HANDLING





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#### SUMMARY OF STRAW MAN PROGRAM

• REPROGRAMMING AND DELETION CAN EFFECT SIGNIFICANT REDUCTION IN FY 68 ACTIVITIES

• SOME ALLEVIATION OF FY 69 ACTIVITIES CAN BE ACHIEVED

• FY 70 BEARS THE BRUNT OF THE TEST PROGRAM

**o** STRAW MAN REPROGRAMMING INCREASES SCHEDULE RISK SUBSTANTIALLY

TECHNICAL RISK IS ALSO INCREASED

