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Code 5000

20 November 1968

Via : Code 5600

Code 5614

Review of overtime, past and future for problem 56R06-29

Encl: (1) Summary of FY-68 overtime

1. Background:

It was anticipated that a review of the past history of overtime might, along with a description of the overall magnitude of the effort, provide the NRL management with a more complete view of the needs for overtime in the current efforts being conducted under NRL problem 56R06-29.

2. FY-68 Overtime Summary:

Enclosure (1) is provided to give a month by month summary of the FY-68 overtime experienced by NRL problem 56R06-29 for the "E" program during the effort on deployment of mission 7105 (last launch) in addition to the final definition of mission 7106 (next launch) as well as the early preparation of the Elint collection systems for this mission... an effort which was anticipated (and later realized) to be the most critical schedule item for the entire NRL portion of this mission. In order that the NRL schedule be accelerated to a maximum this "Pace Setting" effort has since the first, been a "Maximum Effort". The key individuals are Vincent S. ROSE, Edward G. BECKE and Edwin F. VINCENT. Their work load increased from 44 collection systems last launch to 88 systems for this next launch mission 7106. On the first two payloads there are at least sixty individual and mutually incompatible receiving elements not to mention the ones used for Data and Telemetry transmission from the payload. This effort has been at least three times as demanding as that experienced for the last mission (7105). Relative to that prior launch the current personnel resources available for this 7106 task are only increased by about 50% or one man (Mr. VINCENT).

The most critical need in this team is for an experienced (and clearable) antenna specialist, along with sufficient additional space so that another duplicate anechoic screened room can be added to the existing facilities. It is doubtful if this space could be made available in building 56, but in any case both facilities must be located in close proximity to each other and

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in seclusion which would allow future physical security controlled access.

3. Elint System comparison, past and present:

Number of collection bands	(44)	<u>7105</u>	(88)	<u>7106</u>
Tunnel Diode bands		16		24
Transistorized preamps		4		17
quadrant option bands		4		24
Polorization option bands		0		4
Ku bands		1		2
Video amplifiers		53		118
Parametric measurements bands		20		88
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etc.)				

4. Code 5614 personnel resources, past/present:

(past 7105)

R. D. MAYO	HRB-Singer employees
W.E. WITHROW	L. HAMMARSTROM
V.S. ROSE	M. VAN de WALLE
E.G. BECKE	P. OESTERLING
T.W. FISHER	J. O'CONNOR
G.E. PRICE	
F.V. HELLRICH	
C. PRICE	
E.F. JOHNSON	

(7106)
(Present)

E. VINCENT
A. TOOL

HRB-Singer employees
T. DUGAN
T. LAWTON

5. Overseas site effort past and present:

Computer and field digitizer	
Az/El antenna system	
Dual interrogate system	None
Receivers	16 ea
Polarization selection	None
PCM demodulate	None

see Enclosure #2 paragraph 4.

6. Conclusions:

Examination of individual use of overtime shows significant variations from month to month to suggest that overtime has not become habitual.

Each Unit prepares an overtime memorandum weekly which details the emphasis for each man for the forthcoming week.

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This is a predication and has the additional value of providing a regular examination of the goals of the group and the individual as well. HIGHLY VALUABLE!!!

With the few men on overtime and the mechanism described above the use of overtime can be controlled, regulated and programmed to avoid abuses and to be applied to those areas of endeavor which truly are schedule critical items.

Reid D. MAYO

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