

MEMORANDUM

12 November 1968

TO 5600
via 5610

From 5614

Subj: Overtime prediction for NRL Problem 56R06-29

~~Top Secret~~
1. Background:

NRL Requested \$130,000.00 extension to the NRL Overtime Ceiling, using the BYEMAN Control System for this request. When the letter arrived in the NAVY Control center in the Pentagon it was ascertained that the office to which the letter was addressed, had no one adequately cleared so the letter went to Capt Moffit. This letter was then paraphrased by Capt Moffits Office and the sanitized copy sent forward with a strong endoresment for approval because of the operational impact of POPPY. (Capt Moffit did solícite testimony from NRL as to the validity of the \$130K ammount as compared to the overtime used at NRL last year on the POPPY Program. Also it was pointed out that last year had no Launch activity and could not be used as a realistic estimate).

2. 5614 Overtime Prediction:

Enclosure #1 gives a summary of the overtime used by this code since 1 July along with the particular portion of the effort which this use of overtime was in direct support. Enclosure #2 provides the plot of overtime for the Key Individuals which has been experienced since 1 JULY. ~~xxxxxxx~~ The first three men on this Enclosure #2 are in the Unit which is solely responsible for the ELINT sub-systems and are remaining the Schedule-setting effort for the entire of the POPPY Program within NRL. For this reason their overtime restraint is very minimum, with maximum utilization encouraged. Their own personal situations largely set the rate of the use overtime since the long-haul contribution for each man can be best maximized with freedom and motivation going hand-in-hand. The outstanding history of their accomplishments has been instrumental in making changes very slowly in this group. Additional personnel need to be selected/^{with} ~~extremex~~ care with the Unit/^{personnel} contribution being the major input/~~xxxxx~~ ^{for this selection.} It is easy to add persons who will drag the overall group progress down rather than give it a boost by their argumentiveness, or lack of diligence or by inconsistencies of judgement. Also with Mr. Rose this unit has performed very consistently with major improvements and accomplishments coming at regular intervals. Overtime use is not the only way of boosting their performance but is one which has until now been ~~of this~~ Another might be the expansion of the working spaces so that duplicate developmental facilities could be utilized. This is not possible in the present building....The NRL responsiveness to thés program is dependent on this UNITs performance

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PROGRESS REPORT FOR PERIOD NOVEMBER 6 THROUGH 13 NOVEMBER

George PRICE anticipates spending 50% of his time preparing for the production of 36 receivers and 48 frequency synthesizers. This will require at least one trip to HRB-Singer during this period. An additional 25% of George PRICE's time will be spent on the Channel A Receiver and the 1 Mc. Buffer Amplifier. The remainder of the time will be spent correlating all of the work from this section that will be going to ESD for production. Schedules and Priorities must be made for the polarization switch, multicoupler, multicoupler, SCU, Retep Modulator, Channel A Receiver, 1 Mc. Buffer Amplifier, and any other unit being developed at this time.

[] has the Channel A Receiver Prototype approximately 85% completed. In the next week it will be bench tested, temperature tested, and some important parameter variations will be measured. Approximately 25% of Vito's time will be spent preparing the necessary information, sketeches, and parts so that a prototype 1Mc. Buffer Amplifier can be made.

G. E. PRICE

*George E Price**Handle Via BYEMAN
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Progress report for 6 Nov 1968

1. No overtime used.
2. Circuit design is complete on test device for checking the Roback tape system. Drawings are to be completed by the end of the week. Data Tech logic cards will be used to implement the design. It is anticipated that one day will be required to generate a wire list and order the necessary cards.
3. Work on the two work requests given to Gray has not begun. A man should be assigned 7 Nov 68 to start monitor panel.
4. Specification for Disc Recorder have not been started. This should require two days max.
5. The multiplex scheme for Alpha Channel has been postponed. The next most pressing problem is the microphone panel for the receiving complex. This could require as much as a week's effort to finalize the AGC Design.
6. During the week of 11 November 1968 the following is scheduled:
 - 1.) Clean up loose ends on test device
 - 2.) Disc specifications
 - 3.) A/DDS spare parts recommendation
 - 4.) Resume work on the Microphone panel to meet a 21 Nov 1968 completion date.

T. W. Fisher
T. W. FISHER

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Progress Report November 6-16, 1968

P.L. 161 has been delivered with all updated video amps.

P.L. 161 will be undergoing systems tests during the next 2 weeks in bldg 59 and will require 2 of our men for about 20 hours as their schedule requ^{ir}es.

Updated video amps arrive about every 3 or 4 days and are put on temperature test for 48 hours. All video amps on hand ^{are} are for 162.

P.L. 162 systems are 75% complete. The entire system is scheduled for delivery on the 16th of November.

P.L. 163 preliminary antenna configuration investigations will be started in this period. *promised 9/4*

Preliminary assembly and testing of 163 system bands will start during this time. BECKE has 7 more pages of block diagrams to complete for the 160 Series System books.

R.F. Pre-amps for 163 will ^{be} temperature tested during this period. A full overtime ~~schedule~~ for ROSE, VINCENT and BECKE is seen as essential to meet this schedule.

E. G. BECKE



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