

99710-4

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NPIC/P&DS/D/6-1344
4 May 1966

MEMORANDUM FOR: Chief, Development Branch, P&DS

SUBJECT: P.I. Performance & Techniques Study - [redacted]
[redacted] Request for
Overrun Funds

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BACKGROUND: NPIC's working relationship with the contractor, [redacted]
[redacted] on this contract has been very informal.
Twice, during the life of the contract, NPIC diverted the Contractor
from the original goals in order to accomplish unscheduled, but
essential, short-time-period tasks. Now, in April 1966, the contractor
states in the accompanying letter why the contract cannot be finished
by the original terminal date, 18 June 1966, and why [redacted]
[redacted] feels justified in asking for additional funds to
complete the work.

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FACTS: Two P.I. Performance testing programs are currently underway
in NPIC. They both require the expenditure of a substantial number
of man-hours by NPIC's operational personnel who are serving as test
subjects. Because of conflicts with operational work schedules, which,
understandably, always take precedence over the test programs, both
programs have been delayed several times through no fault of the
contractor. One of the two programs, which is determining mensuration
accuracy for TID/TAB, has progressed at a rate far slower than
originally planned by the contractor.

CONCLUSIONS: The contractor's request for additional funds to complete
the work in progress is reasonable. The slowing of progress on the
two test programs being run in [redacted] is a direct result of the
assigned personnel being diverted from their roles as test subjects
in order to do operational work of the highest priority. These
delays are not the fault of the contractor, but they have meant and
will mean more trips to Washington for the representatives of the
contractor and more professional man-hours expended per data point.

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RECOMMENDATION: P&DS recommends that [redacted] be
granted the funds needed [redacted] to complete the work currently in
progress.

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[redacted]
Development Branch, P&DS

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Attachment: Letter

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2 - DB/P&DS (99710-4)

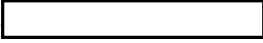
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Gentlemen:

As you know, we are currently conducting two studies in your facility under Contract  The first is a study of mensuration accuracy as a function of:


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1. Image modulation--five levels
2. Edge spread--five levels
3. Image shape:
 - a. Angles--four levels
 - b. Radii--four levels (incomplete)
4. Image size--three levels.

The second study is concerned with the accuracy of the interpretation and analysis of selected domestic missile sites as a function of ground resolution.

It is now clearly evident that we cannot complete these two studies within the funds or time remaining on our contract. (The contract ends on 19 June 1966 and as of 31 March 1966,  remained on the contract.)

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Three major phases remain to be completed on both studies: data collection, data analysis, report writing. The main difficulty has been and will be the data collection phase of each study. The data collection phase of the mensuration study began during the last week of November 1965. Since that time, 15 of 25 GEMs have been measured. Assuming that a comparable data collection rate could continue, data collection would be completed around the end of July. However, we anticipate a slower rate because of the fact that a  Comparator is now

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available to us for only two hours per day. Furthermore, we currently seem to have fewer subjects available to us because of conflicts with operations. These delays imply more trips to the East Coast and more professional man-hours expended per data point.

25X1 [redacted] has finished writing the computer program for the analysis of variance of the mensuration data, and a successful test-run of the program has been made. Within one month, [redacted] expects to have a teletype link to [redacted]

25X1 [redacted] time-shared computer facility. 25X1
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With the program and the computer, we could probably complete the primary analyses of the mensuration data in a day. Secondary analyses and report writing would require another month. Consequently, we are prepared to complete the mensuration study promptly as soon as the data have been gathered.

Generally speaking, the data collection phase of the missile study is going well. We have had to suspend operations twice due to conflicts with operations, but fortunately the actual read-out time has been less than we had predicted. It should be remembered, however, that the PI read-out represents only the first phase of data collection; a second phase will be conducted at the client's parent organization, and we have little notion at the moment of how long it is going to take. Finally, the analysis and report writing is going to be more complicated and require more time than we anticipated. The reason is that we originally had not planned to use such a complicated response technique; the more complicated technique was adopted because it is a very close approximation of operational conditions.

Because of these considerations and because we feel it is very important that both studies be completed, we request a termination date on Contract [redacted] of 30 September 1966 and additional costs of [redacted] without fee.

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Very truly yours,

[redacted]
Executive Vice-President

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DNB:dmd