

STAT

3 January 1967

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To: Contracting Officer

Subject: Updating Interferometers for [] Chip Comparator

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Ref: Letter 31 October 1966 to Contracting Officer
Test Program []

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Gentlemen:

In accordance with the decisions made and documented in referenced letter [] has finished their test program with the updated interferometers mounted on the [] test bed. The results of the test program are quite gratifying and verify the previous breadboard testing performed. At this point, we are confident that the interferometers will perform in accordance with your desires and maintain their stability for periods of time exceeding two weeks between adjustment.

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As has previously been stated, the interferometers on the [] machine are of a vintage several years old and the basic interferometers have been changed twice since original delivery of the units. Attached hereto is a cost analysis to update the interferometers on the [] to the latest configuration--that configuration used during the test program. As you realize, the updating of the interferometers involve considerable modification and replacement of components including photomultiplier and associated circuitry, optical block, modifications to the digitizers, and the addition of the new temperature control and cooling assemblies. The cost to update the two interferometers is [] as shown in the accompanying sheet.

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[] has mentioned verbally that he may desire to leave the two interferometers on the [] machine rather than re-install the units on a [] machine. The present interferometers on the [] were taken off one of the [] machines; therefore, such a move would require a contractual action on your part to transfer the property. If this action is taken, the updated interferometers would then be put on one of the [] machines. The cost in either case would be the same.

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As was pointed out in referenced letter, as soon as we receive authority from your office we shall remove the remaining eight interferometers from the four machines at your facility and update these in accordance with the configuration tested and proved stable. We are prepared to initiate this action at your convenience.

If we can provide you with any additional information or amplify that provided herein, please do not hesitate to contact us.

Very truly yours,

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LHB:aw
Enc. (2) Cost Analysis Sheet

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