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UNITED STATES GOVERNMENT

Memorandum

TO : The Files: Contract 684, Task Order 6

EP 66-140
DATE: 20 June 1966

FROM : Mr. [REDACTED]
25X1A9a

25X1A5a1

SUBJECT: Inspection Report No. 15 - AS-12 Development Program with [REDACTED]

25X1A5a1

1. Project Description:

This 18 month effort is to design and construct a service test model of the AS-12 system. The system consists of a field station, a base receiver and sounder transmitter, and associated data processing and readout equipment.

2. Contractual Information:

- a. Basic Task: \$1,052,744.00 30 June 1964
- b. Request for Procurement Action: 4 June 1964
- c. Initiation Date: 30 June 1964
- d. Completion Date: 1 April 1966, Amendment No. 2
- e. Deliverable Items:

System Design Plan	31 August 1964
Coder/Keyer Interface Documentation, Phase I	31 August 1964
Coder/Keyer Interface Documentation, Phase II	30 September 1964
Monthly Progress Letters	Monthly
Semi-annual Reports	Semi-Annually
Final Engineering Report	1 April 1966
Base Station Instruction Manuals	1 April 1966
Field Station Instruction Manuals	1 April 1966
Engineering Drawings	1 April 1966
Base Station	1 April 1966
Field Station	1 April 1966

3. Date of Meeting: 1 and 2 June 1966

4. Place of Meeting: Buffalo, New York

5. Persons Attending:



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GROUP 1
Excluded from automatic
downgrading and
declassification

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EP 66-125X1A5a1

25X1A5a1

SUBJECT: Inspection Report No. 15 - AS-12 Development Program with [REDACTED]

5. Persons Attending:

	<u>Agency</u>	<u>Non-Agency</u>	
25X1A9a	Mr. [REDACTED]	Mr. [REDACTED]	
	Mr. [REDACTED]	Mr. [REDACTED]	
		Mr. [REDACTED]	25X1A5a1
		Mr. [REDACTED]	

6. Contractor's Performance:

- a. On schedule and expected to remain so: No
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:

Both base and field equipment are completed and acceptance tests have been run. During this visit, the test results were reviewed and most of the tests were rerun at one or two frequencies to spotcheck results. (The tests had previously been run at 100 frequencies.) The equipment met all the criteria set forth in the acceptance test plan, with two minor exceptions. The false alarm rate was calculated to be one in 65 hours. A weekend test resulted in two false alarms. A recalculation of the false alarm rate uncovered a mathematical mis-assumption; the false alarm rate should have been once every four hours. The second variation from the test criteria concerned pulse stretching and shortening. It had been thought that no more than 60 usec on sounding and 100 usec on confirm would be tolerated. These numbers did not conform with experimental results. A re-examination of the 10P1023 code uncovered areas of ambiguity that would permit pulse stretching and shortening as great as 200 usec.

The final engineering report is being prepared, and equipment manuals are being published. Completion of this soft wear will end work on this contract.

[REDACTED]

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