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Approved For Release 2000/09/08 : CIA-RDP78-02820A001200030008-7

UNITED STATES GOVERNMENT

# Memorandum

TO : The Files: Contract 4168-65, Task Order 01  
25X1A9a

EP 66-124  
DATE: 7 June 1966

FROM : Mr. [REDACTED]

SUBJECT: Inspection Report No. 4 - [REDACTED]

25X1A5a1

1. Project Description:

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The [REDACTED] is an automatic fast scan receiver providing CW and AM modes of operation over the frequency range of 2 to 30 Mc/s. The receiver design offers a high quality manually tuned unit as well as a receiver capable of automatically improving the signal-to-noise ratio of ten available preset channels with 3 kc/s bandwidths. In two and one-half seconds, the receiver scans the ten preset channels and is capable of locking-on to a signal 10 db below the channel noise level. The signal-to-noise ratio of this signal is then improved by automatically translating it to the center of a 450 cps bandwidth filter with the resulting narrowing of the noise bandwidth.

2. Contractual Information:

- a. Initial Cost: \$174,947.00 CPIF Overrun: \$19,979.00
- b. Request for Procurement Action: 21 May 1964
- c. Initiation Date: 24 June 1965
- d. Completion Date: One engineering model - 1 February 1966  
Extension: 23 June 1966
- e. Deliverable Items: One prototype [REDACTED] monthly reports, final report, instruction book, engineering drawings

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3. Date of Meeting: 25 May 1966

4. Place of Meeting: Cincinnati, Ohio

5. Persons Attending:

Agency

Non-Agency

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Mr. [REDACTED]

Mr. [REDACTED]

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6. Contractor's Performance:

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan



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6. Contractor's Performance:

- a. On schedule and expected to remain so: See Project Status
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:

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Troubleshooting the receiver is taking much longer than anticipated. It seems that each solution precipitates another problem. Mr [redacted] does not expect to have the [redacted] ready for shipment until 23 June 1966. This additional time will not require more funding.

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Since meaningful measurements cannot be made until all of the troubles are eliminated, [redacted] has not been able to determine if the [redacted] meets specification. However, random checks on the sensitivity, intermodulation distortion, etc., indicates adequate performance. As an impromptu test we tuned [redacted] to various CW signals in the area to see if there was a noticeable difference between them in the audio output. As expected the [redacted] sounded cleaner with less background noise. This difference, however, varied as we changed the grounding on the tuner module of [redacted]. The tuner was physically separated from the chassis and not properly grounded or isolated from the rest of the receiver. This problem will be eliminated once the tuner is installed. Regardless of the number of items which need cleaning up, the [redacted] seems to perform well and gives every indication of being a first-class receiver.

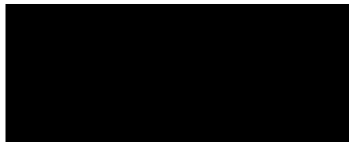
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Distribution:

- Original - R&D Subject File
- 1 - OL/PD/PCB/CAS
- 1 - R&D Lab
- 1 - OC-OS
- 1 - ESB
- 1 - EP Chrono
- 3 - Monthly

25X1A9a OC-E/R&D-EP/[redacted] ds (7 June 1966)

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