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Approved For Release 2000/09/08 : CIA-RDP78-02820A001200030033-9

MAX 1962 EDITION  
GSA GEN. REG. NO. 27

UNITED STATES GOVERNMENT

# Memorandum

EP 66-114

DATE: 31 May 1966

TO : The Files: Contract 4168, Task Order 2

FROM : Mr. [REDACTED]

25X1A9a

SUBJECT: Inspection Report No. 3 - RS-101 with [REDACTED]

25X1A5a1

1. Project Description:

25X1C1a1

[REDACTED]

2. Contractual Information:

- a. Initial Cost: \$219,945
- b. Request for Procurement Action: 28 September 1965
- c. Initiation Date: 12 October 1965
- d. Completion Date: 12 August 1966
- e. Deliverable Items: Four service test models - 12 July 1966  
 Ten instruction books - 12 August 1966  
 Five final reports - 12 August 1966  
 One set reproducible manufacturing drawings -  
 12 August 1966  
 One set reproducible equipment specifications -  
 12 August 1966  
 One set reproducible production specifications -  
 12 August 1966

3. Date of Meeting: 19 May 1966

4. Place of Meeting: Cincinnati, Ohio

5. Persons Attending:

Agency

Non-Agency

25X1A9a

Mr. [REDACTED]  
Mr. [REDACTED]  
Mr. [REDACTED]  
Mr. [REDACTED]

Mr. [REDACTED]  
Mr. [REDACTED]  
Mr. [REDACTED]

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GROUP 1  
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downgrading and  
declassification

6. Contractor's Performance:

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

7. Project Status:

The case and front panel for the engineering model are finished, with the exception of front panel engraving. The receiver is completely assembled and is being tested. Tests thus far indicate that performance is about the same as that of the RS-100 receiver, with one significant exception. Repackaging the tuner has resulted in a lower front end "Q", and consequently a lower image rejection. A comparison of image rejection for the RS-100 and RS-101 is shown:

	<u>RS-100</u>	<u>RS-101</u>
Band 1	63 db	63 - 48 db
Band 2	82 - 53 db	54 - 39 db
Band 3	66 - 46 db	46 - 35 db
Band 4	51 - 31 db	30 - 22 db

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[REDACTED] will make a halfhearted attempt to improve these figures (particularly for Band 4) though little hope is shown.

Five of the six circuit boards for the transmitter have been built and tested; testing of the sixth was 80% complete. Mechanical work on the heat sink module was finished and the module was ready for wiring. The RS-101 engineering model should be completed by 10 June. Three weeks of testing are then planned.

Work on the five service test models will start the early part of June. Present programming calls for completion of these in late September. This is about two and one-half months later than called for in the contract. About six weeks of this delay is attributed to a late start caused by indecision on our part concerning front panel layout. Another delay could be attributed to the extra design time devoted to the semi-automatic tuner to make it tune to within less than one turn of the knob. The difficulty of obtaining parts and services because of the problems in Vietnam also slowed the program.

At the moment, the only unresolved. . . .

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At the moment, the only unresolved procurement problem involves the transmitter power transistors. The transistor type that had been promised by RCA (and supplied as a sample) did not get into production. Clevite Division of IIT is about to begin production of a transistor that will serve adequately. [REDACTED] does not have any of these now, but they do have promises that appear to be valid of delivery in time to meet the schedule as outlined above.

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[REDACTED]

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Distribution:

R&D Subject File  
OL/PD/PCB/CAS  
R&D Lab  
OC-OS  
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EP Chrono

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(31 May 1966)

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