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UNITED STATES GOVERNMENT

# Memorandum

EP '64-329

DATE: 22 December 1964

The Files: Contract 3640-2105-4

25X1A9a

OM : Mr. [REDACTED]

SUBJECT: Trip Report - RT-49/RP-49 with [REDACTED] 25X1A5a1  
25X1A [REDACTED]

1. Project Description: 25X1C1a1

The RT-49 is a crystal or synthesizer controlled, transistorized transmitter which has a power output of 15 watts. The transmitter covers a frequency range of 3 - 24 Mc. A hand key is provided for manual Morse code keying (up to 12 WPM); however, the transmitter will normally be used with an automatic keying device operating at a speed of 300 WPM. The transmitter is designed to match random-length antennas. The transmitter's power requirement is 42 volts DC at approximately 1.4 amps. Approximate dimensions of the transmitter are 4" x 5" x 1 1/2". Its weight is 1 pound, 7 ounces.

The RP-49 is a DC to DC Converter designed specifically for use with the RT-49. The input is 12 volts DC and the output is sufficient to operate the RT-49 Transmitter. The approximate dimensions are 5" x 3 1/4" x 1 1/2". Its weight is 1 pound, 4 ounces.

2. Contractual Information:

- a. Target Cost: \$152,595.00
- b. Request for Procurement Action: 24 June 1964
- c. Initiation Date: 29 June 1964
- d. Completion Date: 1 June 1965
- e. Deliverable Items: 300 RT-49's, 150 RP-49's

3. Date of Meeting: 16 December 1964

4. Place of Meeting: Falls Church, Virginia

5. Persons Attending:

Agency

Non-Agency

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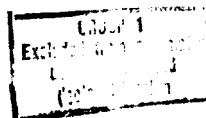
Mr. [REDACTED]  
Mr. [REDACTED]

Mr. [REDACTED]

25X1A5a1

6. Contractor's Performance:

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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:

[REDACTED] discussed checkout procedures with the [REDACTED] Quality Control man. There didn't seem to be any difference of opinion between the two and T&I will use [REDACTED] checkout procedure or a modified version of it.

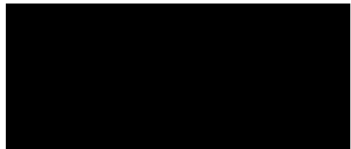
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[REDACTED] has not received the solid dielectric tuning capacitors from the vendor [REDACTED] says they have built the capacitors according to the [REDACTED] drawings and obtained only 450  $\mu\text{f}$  instead of 700  $\mu\text{f}$  as specified. Mr. [REDACTED] while we were there, to check to see how the sample taken from an [REDACTED] transmitter compared with the units built from [REDACTED] drawings. A difference was found between the plate spacers in the [REDACTED] model and the spacers in the [REDACTED] model. The drawings appear to be in error. [REDACTED] will modify their units immediately which should resolve the problem. Thus, the capacitor crisis has become a minor problem and the major problem today is the front panel for the cases. An incorrectly interpreted [REDACTED] drawing has resulted in the band switch shaft hole on the case being misplaced 0.10 inch from where it should be. As a result, the first ten cases will be scrapped and it will be about ten days before new cases can be made.

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The RP-49 appears to be on schedule with no problems in sight. As explained above, the RT-49 cannot be assembled in time to meet the delivery schedule. Providing no additional major problems occur, I estimate that delivery of these units will occur the second or third week in January.



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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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25X1A  
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[REDACTED]

25X1A5a1

Distribution:

R&D Subject File  
Inspection Branch OL/PD  
R&D Lab  
OC-OS  
ESB  
Monthly (2)  
EP Chrono

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OC-E/R&D-EP/[REDACTED]/bjp

(22 December 1964)

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