

UNITED STATES GOVERNMENT

# Memorandum

TO : The Files: Contract 4331, Task Order 1

EP 66-106  
DATE: 11 May 1966

FROM : Mr. [REDACTED] 25X1A9a

SUBJECT: Inspection Report No. 1 - AN/B-62 with [REDACTED] 25X1A5a1

1. Project Description:

The AN/B-62 is a loop antenna assembly which is designed for use with the RR-49 receiver to permit its use in DF applications. It consists of a shielded ferrite core antenna, antenna tuning network, and frequency band switch. The tuning capacitor provides a means of resonating the loop antenna over each of the frequency bands; the frequency band switch is used to select the proper loop inductance for each band. Energy is coupled from the loop antenna to the RR-49 receiver by a low impedance tap on the loop winding. A coaxial cable assembly is used to connect the AN/B-62 to the RR-49. A "pocket carrying card" is provided and is used to mount the AN/B-62 when it is used under the operator's clothing. A "handle" in the card is provided for handheld operation.

2. Contractual Information:

- a. Initial Cost: \$13,361.03
- b. Request for Procurement Action: 12 January 1966
- c. Initiation Date: March 1966
- d. Completion Date: June 1966
- e. Deliverable Items: 100 AN/B-62 antennas

3. Date of Meeting: 15 April 1966

4. Place of Meeting: Fort Wayne, Indiana

5. Persons Attending:

Agency

Non-Agency

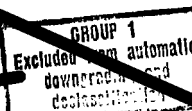
25X1A9a Mr. [REDACTED]

Mr. [REDACTED] 25X1A5a1

6. Contractor's Performance:



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6. Contractor's Performance:

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

7. Project Status:

Except for the tuning capacitors, all electrical parts required in the AN/B-62 assembly have been received at [REDACTED]. Delivery of the capacitor is estimated for 21 April. All metal work (cases, brackets, etc.) is complete. The coaxial cables (to connect the antenna to the receiver) have been assembled with a BNC connector on one end. The machine shop was completing fabrication of plastic vernier discs and the dial locking mechanism (essentially a lever arm which applies a pressure to the serrated edge of the vernier disc when the lever arm is placed in the lock position).

A crude version of a more positive seating connector plug (coaxial cable to receiver) was exhibited. It appeared to "seat" in a satisfactory manner. The molds for this connector are available and the initial sample molded plugs were to be available within the next several days. The connector plugs will be molded of a hard rubber material.

An initial one-half dozen ferrite rods are being wound for electrical test purposes to establish acceptable winding tolerances. Also, [REDACTED] was advised to check the input impedance of the new production run RR-49 to insure compatibility with the antenna. (The prototype antenna was designed by [REDACTED] using a service test model RR-49.) Hopefully, no problem should result.

An initial quantity of ten AN/B-62's were requested for delivery during the first week of May. This, of course, is dependent upon receipt of the tuning capacitor.

[REDACTED]

25X1A5a1

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25X1A5a1 OC-E/R&D-EP/[REDACTED]/bjp

(11 May 1966)

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