

UNITED STATES GOVERNMENT

# Memorandum

EP 66-222

DATE: 18 October 1966

TO : The Files: Contract 4557(100,920)66P

FROM : Mr. [REDACTED]

25X1A9a

SUBJECT: Inspection Report No. 1 - CV-24 Converter [REDACTED]

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1. Project Description:

The CV-24 is a dual channel, IF converter capable of converting inputs of 500 kHz, 455 kHz, or 100 kHz to either 10 kHz, 15 kHz, or 22 kHz. Separate identical converter channels are provided so that two receivers may be operated in diversity pairs for reception of ON/OFF CW signals at 300 WPM. Both headphone and loudspeaker operation are provided. The following technical characteristics are applicable:

Input impedance - 50 ohms and high impedance for bridging  
(each channel)  
Output impedance - 600 ohms each channel  
Power requirements - 10 watts, 120 volts  $\pm 10\%$ , 50/60 Hz,  
single phase  
Dimensions - 19" rack mounting  
Weight - under 10 lbs.

2. Contractual Information:

- a. Initial Cost: [REDACTED] 25X1A
- b. Request for Procurement Action: 28 June 1966
- c. Initiation Date: 29 June 1966
- d. Completion Date: 30 December 1966
- e. Deliverable Items: Phase I - One prototype  
Phase II - Ten service test models

3. Date of Meeting: 13 October 1966

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4. Place of Meeting: [REDACTED]

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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EP 66-222

SUBJECT: Inspection Report No. 1 - CV-24 Converter with [REDACTED]

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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:

Development of the CV-24—dual channel version of the CV-13 IF converter—has progressed smoothly and remains on schedule. Hum problems, however, still exist in the audio demodulator section. This 60 cycle hum has been traced to inadequate filtering in the power supply and additional filtering should eliminate this problem.

Mechanical and electrical fabrication are 95% completed. Test specifications are being written by the contractor for final prototype evaluation. Delivery of one prototype is scheduled for 21 October pending completion of the contractor's in-house evaluation.

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