

**SECRET**

**CONFIDENTIAL**

23 May 1957

*P144A*

MEMORANDUM FOR: THE RECORD

SUBJECT : Trip Report, [redacted]

50X1

1. This trip was made on 9 May 1957 for the purposes of visiting [redacted] to discuss project status. Present were:

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[redacted]

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2. Discussion:

P-191A. Work on the low-band receiver is about 50% complete. Drawings have been released to production, parts have been ordered, and model shop production has begun. It is anticipated at thistime that there will be a delay in delivery of these items beyond the contracted date of up to 60 days - due to a severe personnel turn-over rate that the company has been experiencing of late. This seems to have come to an end by the time of this visit with satisfactory new personnel shifted to this Agency's programs.

These low-band units will be supplied with an airline-type canvas carrying bag, slightly padded, for some degree of shock absorbing qualities.

Promising work has begun on a regulated AC power supply for the receiver. Utilizing Zener diodes and transistor circuitry excellent regulation is being obtained on the specified range of 75 - 140 VAC on a bread-board mock up. No problems are anticipated in packaging this supply so as to permit insertion in the receiver battery compartment. Finally, the canvas carrying bag will be provided with accessory pockets for convenient carrying of spare battery or AC power supply, and antennae.

P-191B. The high-band receiver development is just beginning. Work presently is underway on the design of a new RF front end covering the specified frequency band. Some discussion was held concerning the advisability of going to a higher IF frequency and it was decided to defer this decision until [redacted] - Project Engineer - can study the various problems involved in this matter; at that time, a mutually acceptable IF frequency will be decided upon.

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NO CHANGE IN CLASS   
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AUTH: HR 70-2  
DATE: REVIEWER: 037169

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The form factor of the new unit was discussed. Since it now appears that the low band receiver configuration is adequate for [redacted] it was decided to forego a modification at this time unless considerable saving can be made in at least one dimension. This does not appear possible at this time without extensive mechanical re-design. A final decision will be made later in the program.

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P-144A. The carrier switch proposal was discussed and [redacted] stated that they were prepared to modify the power supply and line isolation circuits without changing the price of the contract. The modifications include design of a high efficiency, low drain receiver/power supply and insertion of capacitors on both sides of the line, so as to provide a balanced load and reduce the probability of detection by a DC line check.

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TSS/APD

Distribution:

Orig. - P-144A  
1 - P-191A  
1 - P-191B  
1 - Chrono

TSS/APD/ [redacted] (23 May 1957)

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