

~~CONFIDENTIAL~~

3 November 1958

MEMORANDUM TO THE FILE

SUBJECT: Modification of the RS-1-Project E-5131

1. In a conversation this date with [redacted] OC-2/CR, the project engineer discussed the modification of the RS-1. This modification includes new power cables for the transmitter and receiver, a new crystal socket for the receiver, and new water proofing compound for all the component parts; receiver, transmitter, and power supplies. [redacted] was of the opinion that the modification would be an improvement and should be done in the field or at T + I as the case applies on the following basis:

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- 1) Modify the committed units in the field first. (This excludes units already in agent's hands-applies to war stock commitments, ect.)
- 2) Modify all other units in the field.
- 3) Modify units in this country as they are about to be shipped to the field.

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[redacted] also felt that the sealing compound should be put on only the units that were opened for other modification, not wishing to break open the power supplies only to put new compound on them and reseal.

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2. [redacted] R-D, was contacted to discuss the forthcoming OC-4 modification to the RS-1. This discussion revealed that there is a possibility that the RS-1 will be outfitted with a new power supply under the OC-4 program, but that neither the receiver or transmitter will be physically changed by this modification.

3. On the basis of the above information it seems feasible to carry on the RS-1 modification. During the first modification attempts, a special note will be made of the difficulty in applying sealing compound to the power supplies. If this proves to be a difficult task, the suggestion of modifying only the transmitter and receiver with sealing compound may prove to be a sound one, since they are the only two units which require the case to be opened. There seems to be a general feeling of concurrence that a modification program is worthwhile at this time.

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