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The Files - Contract RD-72, Schedule C

12 March 1959

25X1A9a [REDACTED]

Conference Report - RS-18 at [REDACTED]

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25X1A6a

25X1A5a1 1. On 25 February 1959 a conference was held in [REDACTED] with representatives of [REDACTED] to discuss the status of the RS-18 equipment and their proposal for an automatic base station for the RS-18. Present part-time or wholly at the conference were:

25X1A5a1 [REDACTED]

25X1A9a [REDACTED]

2. All modules for the five deliverable RS-18 field sets have been fabricated. After final testing at the plant, the RS-18 equipment with its associated base station will be delivered to the Agency for evaluation and testing. Delivery is scheduled for 16 March 1959. The contractor has indicated a possible weakness that may be encountered in the RS-18 coder. The commutator contact adjustment has been found to be critical. This may require that the contractor furnish a more reliable commutator.

3. As the result of a discussion of the proposal submitted by the contractor for an automatic base station for the RS-18 field sets, several modifications were tentatively agreed upon. Two new field set exciter-modulator units were to be supplied originally. The plan now is to obtain one new exciter-modulator unit and modify one of the present exciter-modulator units. One RS-18 field set will be supplied to the contractor as government furnished equipment. A price comparison of the two approaches will be made. Four other exciter-modulator units will be made based upon the cheaper approach. The original proposal specified the use of two R-390/UHR high-frequency receivers at the base station. Also tubes would be used in the remainder of the base station circuitry. The advantage of using transistors in the base station were discussed - such as conservation of power and size. The savings to be accrued by using transistors were considered to be worthwhile. Consequently, the contractor will supply as an option to the original proposal a cost estimate for a completely transistorized base station. [REDACTED] has a 17-channel transistorized receiver made for the Air Force which can be used with little modification in

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place of the R-390/URR. Other modifications will be the substitution of one standard 72" relay rack in place of two separate cabinets; integration of a [REDACTED] high-speed reperforator into the cabinet, and the provision of a simulator for checking out base station operation. The original estimate using the [REDACTED] as the read-out device was \$153,000. It is estimated that with the above modifications the cost will be approximately \$180,000.

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[REDACTED]

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