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AGENDA
Meeting No. 57
Research, Development and Production Review Board

13 June 1956

Room 2035 "I" Bldg. - 1430 hours

I. Old Business:

1. Review and Approval of the Minutes of Meeting #56.

II. New Business:

1. Report by Chief Engineer on significant changes in project status.
2. Discussion of proposal for development of cryptographic and readout system for ASF-4.
3. Discussion of proposals for AS-3 equipment.

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25 YEAR RE-REVIEW

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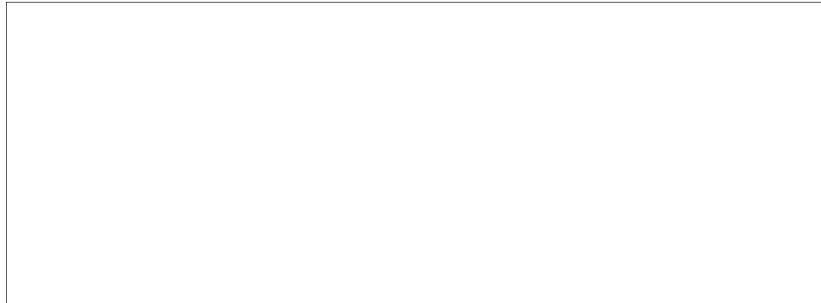
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MINUTES

Research, Development and Production Review Board

- I. Meeting #57 of the Research, Development and Production Review Board was held in the OC Conference Room at 1430 hours on 13 June 1956. The following persons were in attendance:

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- II. Under Agenda Item 1, Old Business:

1. The Minutes of Meeting #56 were reviewed, and the following corrections were approved:

a. Paragraph III, 2 (a) - Should be reworded as follows: That a decision has been made to permit the Laboratory to construct five AR-2 units for operation from a 6 volt source, and the balance of the units are to be the AR-3 type. Four of these AR-3 units will be built for operation from a 6 volt primary power source, and any additional units will be built for operation from a 12 volt primary power source.

b. Paragraph III, 2 (b) - Substitute

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2. The Chairman raised a question as to some of the money provided in the FY 1957 budget for procurement of equipment. After considerable discussion regarding quantities of equipment that should be procured, obsolescence of equipment and tooling costs, the Chairman appointed an ad hoc group consisting of the Chief, Plans & Policy Staff, assisted by of Operations & Training Division to prepare a paper for submission to the Board on methods to be used in determining the quantities of equipments to be procured. This ad hoc committee will call on the Engineering Division for necessary assistance. The report is to be presented to the Board for consideration on or before 15 September 1956.

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3. The Chairman requested information as to the status of the operational tests of the RS-16 equipment between The Operations & Training Division stated that t

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had been completely trained and had either departed or was just about to depart for that base. It was further stated that the base station personnel were also trained, and as soon as operational priorities would permit, the test would be initiated.

4. Discussions took place on the [] transmitters that are necessary to activate the AR-2 printers. It was confirmed that there are only two units presently on hand, one at [] and one at the Research and Development Laboratory. It was further stated by Operations that they had or would prepare a memorandum requesting the procurement of 10 additional units.

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III. Under Agenda Item II, New Business:

1. The Chief, Engineering Division gave a resume of the status of some of the more important projects:

a. High Speed Agent and Sub-Base Communications System, RS-16. Preparation of the equipment for the field test has been completed. The field units were delivered to the warehouse on 18 May for packing and shipping to []. The base station equipment has been checked out and is in operating condition.

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The rework program with the contractor is going forward. The coder design is progressing, and the contemplated coder will use an alphabet wheel and 16 millimeter mylar tape. The battery pack will separate into two subassemblies capable of

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[]

b. Facsimile Printers. Five ATP-2 systems have been completed. Two of these have been delivered to Operations & Training for operational evaluation.

c. High Speed Agent-To-Sub Base Communications System, RS-13. A contract has been negotiated for the production of 40 RS-13B equipments.

On a crash basis the Laboratory is modifying two of the old RS-13's to bring them as much up to date as possible. One of these units will be ready approximately 15 July for shipment to

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d. Universal Modular Sub-Assemblies, [] It has been decided that the present contractor is not suitably staffed to continue this project, and steps are being taken to place the project with another contractor .

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e. [redacted] has initiated work on this project utilizing ferrites as the basis for antenna design.

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f. Solid State Component Studies. Work on this project at the [redacted] has begun.

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g. [redacted] Collection System. This project has been initiated, and the contractor is proceeding.

h. Transistorized Video Amplifier. Five video amplifiers are nearing completion as part of the additional [redacted] components.

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i. Transistorized RD Converter (CV-1). Three CV-1 units have been modified for operation with AC-DC receivers, and these units together with two Solar power packs were delivered on 14 May. Instructions covering the modification and the components required to modify nine additional units were included. Current commitments to the CV-1 project are complete.

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j. Receiver for [redacted] The receiver has been completed and forwarded to Operations & Training for examination prior to delivery to SPD. Operating notes and instructions are being prepared. The receiver was examined by the Board members present.

2. The proposal submitted by the [redacted] for the addition to the AS-4 equipment of high speed cryptographic and high speed printout and reperforating equipment was reviewed. The proposal as received included an investigation of an addition to the equipment of an error correction system which would be effective against errors caused by interference. A full discussion took place on the advisability of adding the error correction system to one unit for test purposes, and it was agreed that this would be a worthwhile investment, particularly in view of the fact that a good portion of the cost of this development would be born by the contractor. Accordingly, the Board agreed that the proposal of [redacted] Company in the amount of \$245,532 should be accepted.

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3. Several proposals had been received for the development of the AS-3 equipment. They are as follows:

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AS-3 Bids and Delivery

Bidder	Sample for Approval	2 Prototypes	10 Prototypes	Spare Parts
[Redacted]	6 months	90 days after approval \$34,990	90 days after approval \$43,175	Included
	16 months	20 months \$171,023	22 months \$224,732	To be negotiated
	16 months	90 days after approval \$191,418	90 days after approval \$205,638.80	Included
	12 months	90 days after approval \$218,589	150 days after approval \$285,379	Included*

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[Redacted] estimates Operating Spare Parts at \$ 1000 per unit and Maintenance Spare Parts at \$1000 per unit. Consequently, [Redacted] basic bid, without spares is \$4000 and \$20,000 less for 2 and 10 prototypes respectively.

Others invited to bid

[Redacted]

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The Chief Engineer indicated that it was felt that the bid of [redacted] was completely unrealistic in view of the magnitude of the project involved. The [redacted] proposal took exception to some of the requirements for the keyer and the coder and was in addition the highest priced of any of the proposals. In considering the proposal of the [redacted] it was determined that for 10 units the [redacted] proposal was approximately \$19,000 cheaper than the [redacted] and it was felt that [redacted] past history of development work for the military services indicated that they would produce a satisfactory product. It was further pointed out to the Board that we presently had two major programs with the [redacted] and it was felt desirable not to place a third major one with them, and that it was desirable to have [redacted] as a supplier to the Agency. Accordingly, the Board concurred in accepting the proposal of the [redacted] for the development of the AS-3 system and the delivery of 10 prototype units, the total cost to be \$205,638.80.

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IV. The Meeting adjourned at 1700 hours.

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[redacted]

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Distribution:

[redacted]

- Members and those in attendance
- listed in Paragraph I
- R&D Internal Projects
- R&D External Projects

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