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27 November 1956

P-101C

MEMORANDUM FOR: THE RECORD

SUBJECT : Monitoring of Contract with [redacted]
[redacted]

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1. TIME AND PLACE OF MEETING: The meeting was held 15 November 1956 in Westout Building, Washington, D. C.

2. ATTENDANCE: [redacted]

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3. PURPOSE OF MEETING: To review existing projects, to discuss proposals for an Infrared surveillance system and an Infrared narrow beam communications system

4. DISCUSSION:

a. P-101C - IR Miniature Commo System (Task V)

[redacted] returned the two prototypes C units in working order, stating that one unit was not optically aligned and the other had a cold solder joint in the amplifier switching circuit. In future units the optical plate bracket will be changed to prevent any misalignment problem as encountered in the past.

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It was suggested that mercury batteries not be used in the C units, as most of these type batteries leak around their rubber seal and cause corrosion of the surrounding components.

The existing Task Order V expires 21 November 1956; a request for time extension has been in the hands of Contracts since 9 November 1956. In talking to [redacted] of Contracts, he assured us that the extension should be processed on or near 21 November 1956.

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[redacted] stated that the remainder of the C units will be finished in Jan. 1957 and the paper work will be completed during February and March.

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NO CHANGE IN CLASS.
 DECLASSIFIED
CLASS. CHANGED TO: TS S 02010
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: 09/18/80 REVIEWER: 010956

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b. P-101D - IR Surveillance Transmitter (Task VIII)

[redacted] has requested approximately \$8000 more to complete Task VIII. The request for money had been held up since their money was to be taken out of FY-56 funds; however, the request is now in the hands of Contracts for processing.

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c. P-101B - IR Commo System (Task I)

[redacted] inquired as to the progress being made on our requisition for the 25 mirrors being purchased by [redacted] from [redacted] was given a letter of intent from our Logistics office so that [redacted] could proceed with the procurement of the mirrors.

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d. Security

[redacted] having recently moved to California from [redacted], has a problem of getting their new employees cleared; and, therefore, asked that we check on the processing of the below listed names:

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e. Proposal for Infrared Surveillance Transmitter E

[redacted] was asked to submit a proposal for the study, design, and development of prototype units to be used for infrared surveillance activities. It was decided that the contract should be broken down into three phases:

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PHASE 1 - Approximately 6 months for study of the various problems involved

PHASE 2 - Approximately 6 months for the construction of 4 engineering and design models

PHASE 3 - Approximately 6 months for the construction of 20 final engineering models

The initial 6 months study phase is to cover such things as:

- (1) Microphones
- (2) Modulation and Amplifier
- (3) Range
- (4) Shape of Transmitter and Receiver
- (5) Methods of aiming with regard to easy installation

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- (6) Power Sources
- (7) Types of Detectors
- (8) Types of Sources

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f. Proposal for Narrow Band Communication System

[redacted] was also asked to submit a proposal for a study of the practical limits of IR Commo system with regard to security and range.

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It was thought that a study of this problem would require from 3 to 6 months at which time a final report would be completed on the feasibility of the various narrow beam IR communications system.

[redacted]

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TSS/APD

Distribution:

- 1 - P-101C
- 1 - P-101D
- 1 - P-101B
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