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Executive Registry  
67-1114

16 MAR 1967

MEMORANDUM FOR: Acting Deputy Director for Science & Technology  
Deputy Director for Plans  
Director of Planning, Programming, and Budgeting

SUBJECT : BOB Request for Special Studies: RD&E of  
Collection Systems.

1. As part of the spring program review requirement\*, the Bureau of the Budget (BOB) has identified several activities for the Director to address in Agency Program Memoranda. The special study topics were discussed in the Financial Policy and Budget Committee meeting on 7 February 1967.

2. In RD&E area, the BOB has requested that the Agency define the goals of the selected research activities listed below in terms of (a) an operational system; (b) an expected date of operation; and (c) the operational importance of the expected system (including discussion of the degree of uncertainty) and that we estimate the effect on attainment of these goals of alternate levels of funding (both higher and lower). The selected systems are as follows:

- a.
- b.
- c.



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In addition, the BOB has asked that we estimate the cost of the operational (or prototype) system.

3. The Acting DD/S&T is requested to assume responsibility for these studies. The DD/P and Director/PPB will assign one person to assist in the conduct of each study. In addition, the DD/I should be called upon for substantive evaluations concerning the priorities of the intelligence

\*Bureau of the Budget Bulletin 66-3 calls for special studies as part of the recurring PPB cycle.

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targets and requirements against which the systems can be deployed, special analytical requirements involved in using the product of the system, etc. The completed study should be submitted no later than 1 August 1967.

4. Attached are proposed terms of reference for the RD&E collection systems studies. You should feel free to expand on the questions where to do so will enhance the final product.



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L. K. White  
Executive Director-Comptroller

Attachment  
Terms of Reference

cc: Deputy Director for Intelligence

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Terms of Reference  
for  
Study of RD&E of Selected  
Collection Systems

For each of the  collection RD&E studies, the final report should provide comprehensive descriptive material, including a short history of the program, and should provide answers, when applicable, to the following questions:

1. Objectives

What are the objectives of the program? Have objectives changed during program development? What explicit operational requirements are there for the RD&E in this area? Who originated the requirements? Are they satisfied with program progress? What are the priorities of the targets? Is the timing of the program consistent with the time requirement of the intelligence objective?

2. Program Description and Schedule

What are the performance characteristics of the hardware? What technical problems must be solved? Is there a critical component or subsystem? What is the program schedule including major milestones? When is the estimated operational date? Is the program phased to provide different levels of operational capability? If so, show time phasing. Provide the expenditures to date and an estimate of future costs of the program. Cost data should be detailed by each phase of the program, subsystem, support, or other meaningful categories. Do some of the subsystems have uses in other RD&E programs? How have the various phases of the program been integrated in the past (e. g., techniques, subsystems, contractors, planning)? What is the method to be used in the future? What countermeasures may be taken against the collection system being developed?

3. Alternatives

What other collection means are available or are under development to obtain the intelligence objectives sought? Have other collection means been rejected? If so, why? Note if there

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are parallel back up or redundant programs. Estimate the effect on attainment of these objectives of alternate levels of funding and time phasing.

4. Operational Planning

What operational planning has been accomplished by the potential user? What are the anticipated funding levels, training requirements, placement issues for the estimated operational program? What are the risks involved in the operational program? Is the program limited by geography? Are there other operational limitations? Are there security problems for the operational program? What types of data will be collected? What processing will be required? Are there any special analytical requirements? What existing collection programs could be replaced by this program when it becomes operational?

5. Coordination

What coordination was there with the eventual operators? Between research organizations (ORD-TSD-Commo)? With intelligence producers (the consumers of the raw product)? What is the coordinating mechanism?

6. Program Evaluation

What system or method of program evaluation has been used in the past? What are future evaluation plans? How often is the program evaluated? By whom?

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