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

For each of the three 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?

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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

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?