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2 Jun 94**TERMS OF REFERENCE (U)****I. (U) BACKGROUND**

(S/NF/SG/LIMDIS) In accordance with a Congressionally Directed Action of January 1994 (enclosure 1), the Defense Intelligence Agency has prepared a proposed multi-year research and development program plan, subject to rigorous scientific and technical oversight, to investigate the scientific validity of the STAR GATE program. The focus of the multi-year plan is to ascertain whether results of military and intelligence value can be obtained in a cost-effective manner using anomalous mental phenomena (AMP).

II. (U) APPROACH

(S/NF/SG/LIMDIS) In order to fulfill Congressional Direction, the Defense Intelligence Agency proposes to convene a Scientific Evaluation Panel (SEP) composed of representatives from each of the Service Scientific Advisory Boards. The purpose of the SEP is to review and validate the STAR GATE's research and development objectives and to make recommendations as to which objectives should be pursued and the program scope required to achieve those objectives. If the SEP determines that objectives in the plan are viable and executable, the General Defense Intelligence Program (GDIP) Manager will complete this initiative with others for limited available resources remaining in the program.

III. (U) PURPOSE

(U) The purpose of this Terms of Reference (TOR) paper is to familiarize the SEP with proposed program objectives, scientific oversight methodology, program management, and anticipated contract deliverables.

IV. (U) RESEARCH AND DEVELOPMENT GOALS

a. (C/NF) Congressional direction for the STAR GATE program has consistently stressed the need for an even balance between

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Enclosure 2

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foreign assessments, operational activities and research, with the overall architecture of the program such that the three areas are interrelated and supportive of each other. Furthermore, program historical development has repeatedly demonstrated the need for R&D support in order to fulfill Congressional direction as well as to provide support to on-going DIA intelligence collection, analysis, and production functions.

b. (U) Current program plans are outlined in the multi-year research and peer review plan. Specifically, it is planned to use the first six months of the contract to hold meetings with AMP experts around the country to determine which research goals have the highest probability of success and to determine the best methods for conducting the research. On the basis of these meetings; the schedule, budget, and performance criteria for the balance of the program will be finalized.

c. (U) Subject to adequate funding, recommendations of the above working groups, and general guidance from DIA management, the proposed research and development program will address the following generic issues:

1. (U) BASIC RESEARCH

a. (U) The objective of basic research is to understand the fundamental, underlying mechanisms of remote viewing (RV) or anomalous cognition (AC).

b. (U) The basic research goals are:

- To determine the fundamental nature of an AC source, i.e., a quantitative, intrinsic description of AC targets.

- To determine how AC information traverses space and time from the source to the detector (i.e., the remote viewer).

- To determine how AC information is sensed by the viewer.

2. (U) APPLIED RESEARCH

a. (U) The objective of applied research is to bridge the gap between pure research data and the applications of that data, specifically, to improve the quality of AC data.

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b. (U) The applied research goals are:

- To identify individuals who possess either a high-quality natural AC ability or a trainable one.

- To create a set of training manuals and/or procedures that will be efficient and effective in teaching and evaluating RV skills.

- To establish a realistic certification program for currently assigned personnel.

- To develop a system to categorize potential AC targets with regard to their inherent AC "visibility" since it has been shown that all potential targets are not equally amenable to AC.

- To design a series of instructions for conducting AC sessions that are optimized for each particular application.

- To provide meaningful absolute measures of the information that is transferred by AC, i.e., interpretative analysis of the AC data.

- (S/NF/LIMDIS) To develop methods of data fusion which will most effectively incorporate AC data into the overall intelligence collection, analysis, and production process.

3. (U) FOREIGN ASSESSMENT

a. (S/NF) A key role played by previous R&D efforts has been to support the program's foreign assessment initiatives. The assessment of parapsychological activities presents some rather unique challenges. For example, if the task were to evaluate Russian developments in laser weapons, there is no shortage of Western high-tech companies or national laboratories to which one could turn to for detailed technical analytical support. In parapsychology, however, there is no equivalent group within the USG with such expertise. In addition, an R&D organization can seek to replicate foreign experimental claims, thereby confirming their validity. It is essential, therefore, to have R&D support to provide specialized technical assistance in evaluating foreign R&D activities.

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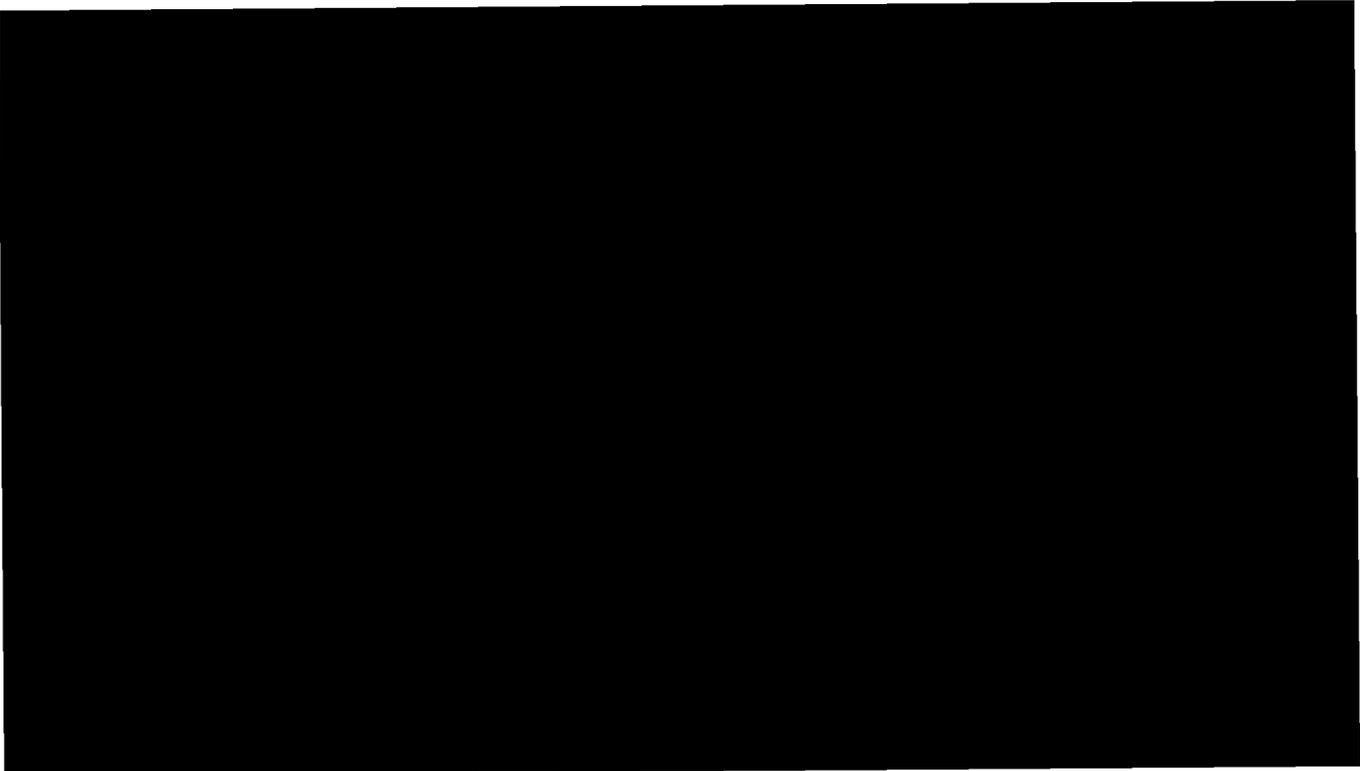
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**IV. (U) GOALS**

(U) To most effectively utilize anomalous cognition (AC) data for military intelligence purposes, an R&D effort is essential not only to explore the causes for AC, but also to translate experimental/theoretical data into a practical, useable methodology. The necessity of having an R&D effort in this area comes from the fact that no DIA/DoD resources have been identified or committed to accomplishing this R&D function. The necessary in-house technical expertise to conduct basic and applied research does not exist within DIA.

(S/NF/SG/LIMDIS) Moreover, this proposed research and peer review plan represents DIA's best approach to successfully accomplish identified R&D activities which, in-turn, will enhance the capability of STAR GATE personnel to engage in operational activities and to assess the work done by potential adversaries, thereby, reducing the risk potential for a technological surprise.

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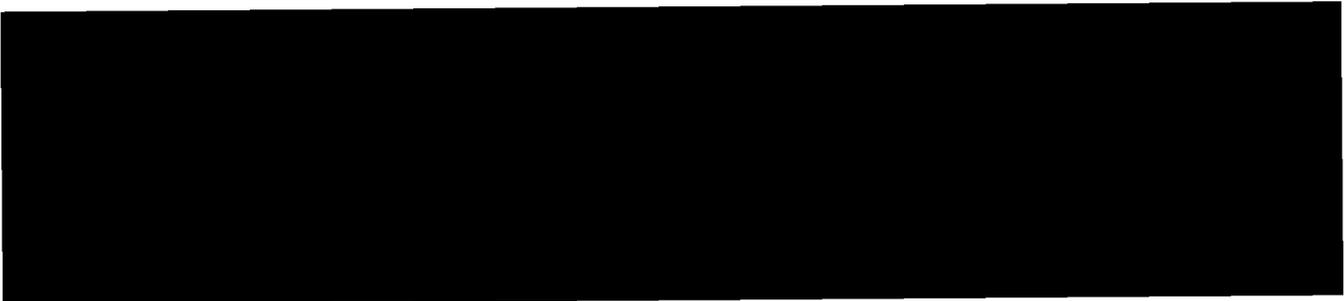
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V. (U) MISSION IMPACT IF R&D FUNDING IS CURTAILED/LOST

a. (U) LOSS OF THE MAJORITY OF FOREIGN INTELLIGENCE DATA

1. (S/NF) In the current and unstable world of international affairs, traditional intelligence collection methods are severely strained. Understandably, intelligence collection against a field such as parapsychology does not occupy a priority in the grand scheme of things.

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b. (U) LOSS OF TECHNICAL ASSESSMENT SUPPORT

(C/NF) As stated, there is no group within DIA, DoD, the Intelligence Community, or the national laboratories which conducts on-going, in-depth technical investigation into the field of parapsychology. Nor are there groups in the private sector or university setting with the in-depth knowledge and experience of the current contractor in the military intelligence applications of parapsychological phenomena. Due to the highly technical nature of the physics, psychology, and physiology involved, loss of R&D support would severely hamper our ability to evaluate data and produce timely and accurate assessments.

c. (U) LOSS OF BASIC RESEARCH DISCOVERIES

(S/NF/LIMDIS) The field of parapsychology is one in which new discoveries are being reported daily, especially from Russia, the FSU, and the PRC as to the underlying mechanisms of how the phenomena works. Aside from its intrinsic scientific value in explaining more completely how the brain and mind function, a proper understanding of these underlying mechanisms is essential to improving any operational usage of the phenomena. The use of RV as a consistently accurate intelligence collection method is still to be determined. As in any other science, increasing knowledge about the mechanism of the phenomena will lead to increased knowledge about its productive applications.

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(S/NF/LIMDIS) Although DIA has had a measure of success in the past, further support is required to sustain its efforts. Without this support, DIA has no capability of ever improving our operations capability without continued R&D support.

V. (U) R&D PLAN DURATION

(U) The proposed R&D effort would extend over a period of five years, beginning in FY95.

VI. (U) OVERSIGHT

a. (U) PROJECT OVERSIGHT METHODOLOGY

1. (U) PROGRAM MANAGEMENT/OVERSIGHT

(S/NF) DIA, as executive agent, proposes to implement a management structure that fosters a proactive, responsive, and creative environment for this activity. Both the external research and in-house activities will be centered in the Technology Assessment and Support Activity under the supervision of the Chief, Office for Ground Forces (DIA/PAG).

d. (U) LOSS OF PROFICIENCY ENHANCEMENT DEVELOPMENT METHODOLOGY RESEARCH

(S/NF) It is proposed that responsibility for overall project oversight be provided by a Project Review Board (PRB) composed of five senior management individuals. Review/guidance will be available from DIA's Executive Director and from the Deputy Director. The General Defense Intelligence Program (GDIP) director will conduct periodic project reviews and provide guidance. Links with the Intelligence Community will help provide a broader management and program review base for this activity.

(U) The extensive nature and scope of these various program management and oversight activities will insure that all activities identified in this TOR can be appropriately monitored and evaluated on an on-going basis.

2. (U) SCIENTIFIC OVERSIGHT

(S/NF) Scientific oversight for the program office will be provided by DIA's Scientific Advisory Board.

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Oversight for external contract activity will be provided by a proposed expert Scientific Oversight Committee (SOC) chartered by the selected R&D contractor. A Human Use Review Board will also be established to provide expert guidance/advice regarding contractor adherence to appropriate DoD human use regulation.

(U) A Scientific Oversight Committee (SOC) will be tasked with three major responsibilities:

a. (U) Review and approve all experimental protocols prior to the collection of experimental data.

b. (U) Critically review all experimental final reports as if they were submissions to technical scientific journals. All remarks in writing are included in the final technical reports to DIA.

c. (U) Propose directions for further research.

(U) In addition to these responsibilities, the SOC members will be encouraged to exercise un-announced drop-in privileges to view experiments in progress.

(U) The voting members of the SOC should be respected scientists from the following disciplines: physics, astronomy, statistics, neuroscience, and psychology.

(U) An Institutional Review Board (IRB) should also be formed by a selected contractor and charged with the responsibility of assuring compliance with all U.S. and DoD regulations with regard to the use of humans in experimentation and assuring their safety. The IRB members should represent the health, legal, and spiritual professions IAW government guidelines.

3. (U) DEVELOPMENT OF EVALUATION CRITERIA

a. (U) SCIENTIFIC VALIDITY

(S/NF) An extensive technical data base currently exists which has established the scientific validity of AMP. In addition, a thorough review of DoD's activities in AMP was conducted in 1987 to evaluate the use of AMP for intelligence gathering purposes. The overall findings of this evaluation were

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that "...the Project Review Group has determined to its satisfaction that the work of the Enhanced Human Performance Group is scientifically sound...and is providing valuable insight into the nature of an anomaly which have a significant impact on the DoD." This research and development program will both draw from and add to this extensive data base to further demonstrate the scientific validity and practicality of AMP.

b. (U) PERFORMANCE

(S/NF) The ability of the STAR GATE program to produce results that have an intelligence value can only be measured by customer feedback evaluations. AMP provided intelligence data, along with other forms of intelligence, are evaluated, in part, with subjective criteria. STAR GATE has developed feedback mechanisms and procedures for customers that should result in a method of quantifying this subjective feedback data so that operational value added and cost-effectiveness can be measured.

VII. (U) POTENTIAL RESEARCH RETURNS

(S/NF/SG/LIMDIS) The research pursuits identified in the overall research and peer review plan have the potential for achieving highly significant results using AMP to address problems of national security by pushing the phenomena to their natural limits. This overall result will be achieved by:

- Identification of the underlying mechanisms of AMP.
- Establishment of the limits of operational usefulness of AMP.
- Determination of the degree to which foreign activities in AMP represents a threat to national security.
- Development of countermeasures to neutralize this threat.
- Use of research findings to improve operational activities.
- Development of data fusion criteria to integrate AMP results with other intelligence sources.

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