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5.4 (S/NF) Some of the experiments/investigations required to fulfill this contract may require participation of select government personnel. All such investigations will be fully planned and coordinated with the COTR and will be under the purviews of the SOC and the Human Use Review Committee.

5.5 (U) Should unforeseen schedule of other issues arise concerning any of the specific tasks identified in section 6.0, the COTR will be given immediate notice. If necessary, adjustments to priorities and schedules can be approved by the COTR if there is no cost or other impact on the over-all program. The COTR will also review/approve all anticipated research protocols.

5.6 (U) All items in sections 6.0 and 7.0 will be funded from R&D funding provided by this contract, and shall be expended NLT 18 months after contract award. Accounting procedures to clearly identify the R&D expenditures shall be implemented by the contractor.

5.7 (U) Terms of reference and additional task details are on file by the COTR and will be provided to the contractor to insure adequate task understanding. This material is contained in DIA publication DT-S-1007-S, 29 NOV 1990.

6.0 (S/NF) **SPECIFIC TASKS:**

6.1 (U) Basic Research:

6.1.1 (U) Biophysical Measurements (Follow-on to SOW 6.3.1 in PR 330/012Z/91):

6.1.1.1 (S/NF) Determine how magnetoencephalograph (MEG) measurements correlate with counterpart electroencephalograph (EEG) data. This effort will assist in simplifying over all brain wave measurement activity, will form the initial phases of the larger data base required for establishing statistical significance, and will assist in screening/selection.

6.1.1.2 (C) Perform refined MEG data analysis for individuals involved in the previous effort for the purpose of isolating neurophysical parameters that correlate with anomalous performances. This analysis will use new/improved statistical procedures not available in previous efforts.

6.2 (U) Data Patterns/Correlations (Follow-on to SOW 6.3.2 of PR 330/012Z/91):

6.2.1 (C) Extend analysis of sender/no sender analyses to include new statistical evaluation methods involving artificial intelligence procedures for high performance candidates identified during the previous effort. Develop implications regarding target-individual match.

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6.2.2 (U) Examine all relevant MEG/EEG data and worldwide anomalous cognition research to identify performance testing/patterns and to help isolate key physical/psychological/biophysical parameters.

6.3 (U) Applied Research (Follow-on to SOW 6.2.3.3 in PR 330/012Z/91):

6.3.1 (S/NF) Conduct long distance anomalous communication experiments that involve leading candidates identified in previous research. The key variable will be location, and will involve controlled sites selected by the COIR.

6.4 (U) Theoretical Issues (Follow-on to SOW 6.2.5 in PR 330/012Z/91):

6.4.1 (U) Perform anomalous phenomena experiments in the presence of select sensitive instrumentation that may help identify underlying physical parameters. Pilot work should include an off-the-shelf Mossbaur device.

6.4.2 (U) Identify physical mechanism models for anomalous cognition and develop protocols for testable experiments using select individuals.

6.5 (U) Research Methodology (Follow-on to SOW 6.4 of PR 330/012Z/91):

6.5.1 (U) Provide appropriate research methodology support to include reviews/approvals by the established Scientific Oversight Committee, the Policy Board and the Human Use Review Panel for the follow-on activity.

6.5.2 (S/NF) Provide appropriate management support and appropriate project research support activity to include document preparation, administration, and all project associated travel for contractor personnel, consultants, and other experts. This task includes research methodology assessment of related worldwide activity to search for new scientifically-sound approaches. Select conference attendance or sponsorship may also be required to identify new methodologies.

7.0 (U) **QUICK REACTION CAPABILITY (QRC):** The contractor will maintain a quick response capability and be prepared to respond in less than 24 hours to problems or unexpected demands for brief technical papers that may be developed during the term of this project.

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8.0 (U) **ALLOCATION OF EFFORT:** The level of effort to be applied to each basic task category is shown in the following paragraphs.

8.1 (U) **R & D:**

<u>Basic Task No.</u>	<u>Allocation of Effort/ % Funding (R&D)</u>
6.1	30
6.2	20
6.3	10
6.4	10
6.5	25
7.0	5

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