



Announcement of Opportunity

Presentation to VEXAG

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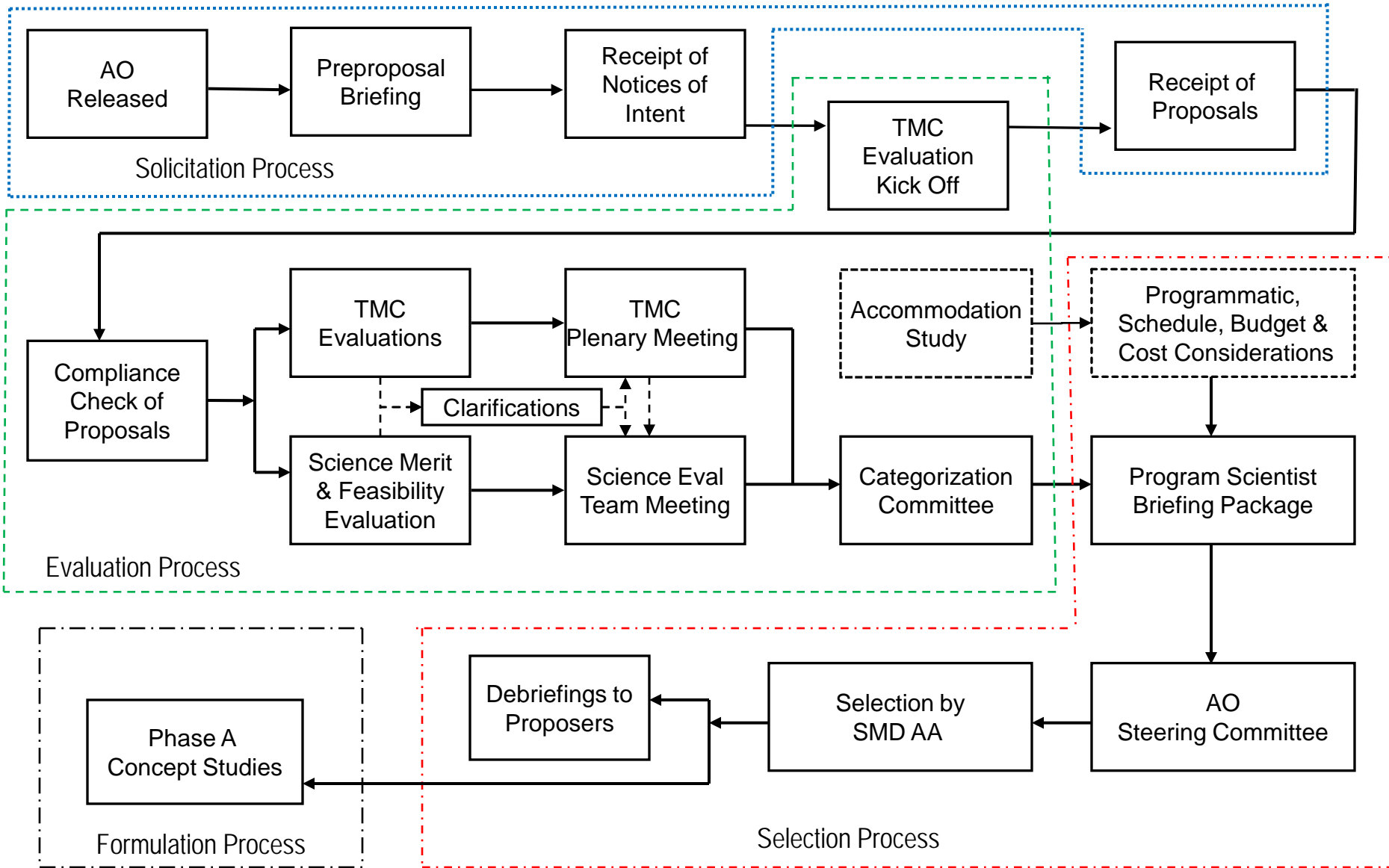
August 2011



Principles for Evaluation

- All proposals are to be treated equally.
 - Merit is to be assessed on the basis of material in the proposal.
 - Ratings should reflect the written strengths and weaknesses.
 - Everyone involved in the review process is expected to act in an unbiased objective manner; advocacy for particular proposals is not appropriate.
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Proposal Evaluation Flow





Evaluation Criteria and Selection Factors

- Evaluation Criteria:
 - The scientific merit of the proposed investigation;
 - The scientific implementation merit and feasibility of the proposed investigation; and
 - Technical, management, and cost feasibility, including cost risk, of the proposed investigation.
- Weighting for Categorization: the first criterion is weighted approximately 40%*; the second and third criteria are weighted approximately 30%* each.
- Other Selection Factors:
 - NASA SMD cost;
 - Past performance (especially in meeting cost and schedule constraints);
 - Programmatic factors.

*Typical weighing factors



Science Panel Evaluation Factors

Criterion A: Scientific Merit of the Proposed Investigation:

- Factor A-1. Compelling nature and scientific priority of the proposed investigation's science goals and objectives.
- Factor A-2. Programmatic value of the proposed investigation.
- Factor A-3. Likelihood of scientific success.
- Factor A-4. Scientific value of the Threshold Science Mission.

Criterion B: Scientific Implementation Merit and Feasibility of the Investigation:

- Factor B-1. Merit of the instruments and mission design for addressing the science goals and objectives.
 - Factor B-2. Probability of technical success.
 - Factor B-3. Merit of the data and/or sample analysis plan.
 - Factor B-4. Science resiliency.
 - Factor B-5. Probability of science team success.
 - Factor B-6. Merit of any science enhancement options (SEOs), if proposed.
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TMC Panel Evaluation Factors

Criterion C: Feasibility of the Mission Implementation, Including Cost Risk:

- Factor C-1. Adequacy and robustness of the technical plan.
- Factor C-2. Adequacy and robustness of the cost plan and schedule.
- Factor C-3. Adequacy of the management approach, including the capability of the management team.
- Factor C-4. Adequacy of the risk management approach.
- Factor C-5. Technical readiness.



Categorization

- Category I. Well conceived and scientifically and technically sound investigations pertinent to the goals of the program and the AO's objectives, and offered by a competent investigator from an institution capable of supplying the necessary support to ensure that and essential flight hardware or other support can be delivered on time and data that can be properly reduced, analyzed, interpreted, and published in a reasonable time. Investigations in Category I are recommended for acceptance and normally will be displaced only by other Category I investigations.
- Category II. Well conceived or scientifically and technically sound investigations which are recommended for acceptance, but at a lower priority than Category I.
- Category III. Scientifically or technically sound investigations which require further development. Category III investigations may be funded for development and may be reconsidered at a later time for the same or other opportunities.
- Category IV. Proposed investigations that are recommended for rejection for the particular opportunity under consideration, whatever the reason.



Categorization Statistics

