

Proposal for Forming an IAA Study Group **S 4.6**

Title of Study:

Quality Considerations for Space Programmes

Proposer(s):

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**Primary IAA Commission Preference:
Commission 4****Members of Study Team**

Chairs: Miguel A. Hernandez Jr. – USA, Luigi Bussolino - Italy

Secretary: TBD

Other Members:

Hideo Hasegawa – Japan
Michael Ovechinnikov – Russia
Alex Melo – Brasil
Earl McNeil – USA
Rolf P. de Groot – The Netherlands
U. R. Rao (or his representative) – India
Lance Wu (or his representative) - Taiwan
Others to be identified

Short Description of Scope of Study**Overall Goal:**

.To generate a comprehensive report addressing “quality” elements, and their implementation into space programs, that can safeguard against historic issues that have resulted in mission failures. (“Quality “ in this content encompasses the disciplines of Safety, Reliability, Risk, and Quality as well as other elements that affect the probabilities of accomplishing mission success.)

Secondary Objective:

To establish a subject platform that will stimulate the generation/presentation of papers at future International Aeronautical Congresses sharing specific Program/Project experiences as they relate to causes of failures and successes.

Intermediate Goals:

To deliver a report about the most frequent issues which have been encountered during past space activities, acting as a “warning” for the generation of young engineers entering the space business.

Methodology:

To follow the classical phasing of a space project from pre-phase A up to phase E, as a guideline to review past weaknesses or failures, to analyze common root causes, to identify methods of avoidance, and to make recommendations for future projects.

Time Line:

Introduction of Position Paper request at the IAA Commission IV meeting in October 2006.
Presentation of Official Proposal to form a Study Group for IAA approval.
Study group membership organization and agreement on development approach by mid 2007.
Status report at 2007 IAC Commission IV meeting.
Draft report presented for review and discussion during 2008 IAC.

Final Product (Report, Publication, etc.):

Final report for approval following the 2008 IAC

Target Community:

Technical and managerial personnel involved in Space Projects

Support Needed:

None

Potential Sponsors:

N/A

To be returned to IAA Secretariat Paris fax: 33 1 47 23 82 16 email: sgeneral@iaaweb.org

Date: March 9, 2007

Signature:
Miguel A. Hernandez Jr.

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