

Proposal for Forming an IAA Study Group SG 3.14

Title of Study:

Public/Private Human Access to Space – Vol.2: Earth Orbit and Beyond

Proposer(s):

J. Mankins – G. Reibaldi

**Primary IAA Commission Preference:
Commission 3**

**Secondary IAA Commission Interests:
Commission 4, 5, 6**

Members of Study Team

Chair(s):

Simonetta Di Pippo, Kevin Davidian

Secretary:

Alain Dupas

Other Members:

Philippe Berthe (ESA - confirmed), Gennaro Russo (CIRA - confirmed) Marco Villa (SpaceX - confirmed), Paul Eckert, Paul Spudis, Alan Bond (TBCs).
TO BE COMPLETED with other Study group members.

Short Description of Scope of Study

Overall Goal:

Identify characteristics, requirements, concepts and opportunities for the creation and sustainability of new public/private markets and Systems in Earth Orbit and beyond.

Intermediate Goals:

Identify, evaluate and characterize prospects for new commercial markets in Earth orbit and beyond in the 2020-2030 timeframe.

The addressed markets will include, but are not limited to ISS commercial cargo services, forthcoming LEO commercial crew transport, commercial space stations and private services for in and beyond Earth Orbit.

Specific possible markets to be addressed will include, but not limited to fuel depots in LEO and/or Lagrange points, commercial electric, chemical, space tugs, lunar resources exploitation and trading, etc. Fundamental technical and economic aspects will be considered. Different scenarios will be established and discussed.

IAA, Paris, 2012 Form

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Instructions and application form: see: "Scientific Activity" section at <http://iaaweb.org/content/view/256/393/>

High-level findings and recommendations for the consideration of the global community will be formulated.

Methodology:

E-mail mainly. Progress meetings will be organized during IAF/IAA events. A dedicated workshop will be organized 1 year before the end of the Study. First face-to-face expected to take place at IAC2012 in Naples.

Time Line:

2 to 3 Years

Final Product :

REPORT

Target Community:

Industry, Space Agencies

Support Needed:

Potential Sponsors:

Astrium, TAS, OHB, Arianespace, Boeing, Lockheed, Martin, SpaceX, Orbital, ATK

To be returned to the IAA Secretary General Paris

*by fax: 33 1 47 23 82 16 or
by email: sgeneral@iaamail.org*

Date:

(No Signature required if document authenticated).

Follow-up Section for IAA use only

Initial Phase

Application received:

16 May 2012

Commission Approved:

12 March 2012

SAC Approved:

Web Site Section opened:

Members Formally Appointed by IAA:

Final Phase

Peer Review by Commission Completed:

Recommended by the Commission:

Final Report Received:

SAC Approved:

BOT Accepted:

Publisher Selected:

Study Published: