

IAA Study Group Status Report

Responsible Commission: 3

Study Number and Title:

Study Group 3.14, “Public/Private Human Access to Space”, Vol. 2 - Earth Orbit and Beyond

Short Study Description (repeat from Study Group Proposal):

In 2012, the International Academy of Astronautics (IAA) established a study group to report on the probability of the emergence of a human orbital space market world-wide. The formal name of this activity is the “Public/Private Human Access to Space” IAA Study Group but is informally referred to in this report as the Human Orbital Market (HOM) study or working group.

Over the entire history of government-led, civilian and military space programs as they have been conducted to date, no human orbital space industry has yet been created or evolved naturally that is viable and self-sustaining independent of government customers. Not yet, but emerging. Repetition of past practices will not increase the possibility of a viable human orbital market in space, so we need a disruptive approach to succeed.

The goal of this report is to qualitatively assess the probability of the emergence of human orbital markets (HOM) world-wide. The report will define the theory and methodologies of five analysis phases and then give the results of these analyses for multiple countries and regions around the world. The five analysis phases include:

1. Identify the specific human orbital space markets being targeted.
2. Conduct a literature review of relevant reports and articles.
3. Identify relevant political, legal, capital, historical and cultural factors and structures.
4. Identify the set of industries that comprise, support or are related to the identified human orbital space markets, using a standardized methodology.
5. Qualitatively evaluate the likelihood that these industry clusters are sufficient for the eventual natural evolution of human orbital space markets.

The study “Public/Private Human Access to Space” is conducted by Simonetta Di Pippo and Ken Davidian as co-chairs, under the sponsorship of the International Academy of Astronautics (IAA) Commission 3 “Space Technology & System Development”.

Progress in past six months:

The report has been finalized and the study is completed.

Website Study Information update: (please give any update regarding Study Group Membership, documents, Study Plan and Schedule):

Not applicable.

Issues requiring resolution? (recommend approach):

Not applicable.

Product Deliveries on Schedule? (If modified explain rationale):

The final report has been delivered to Commission III leadership.

Study Team Member Changes? (List any Study Team Members that you wish to discontinue, and provide names plus contact coordinates of any Members you wish to add on the second page of this Study Update form.) Note: Complete contact information including email, tel. and fax must be provided for all additions. Only Members with complete contact information will be listed and receive formal appointment letters from the IAA Secretariat.)

Not applicable. There have been no changes.

Name of person providing Study Group Status (Study Group Chair or Co-Chair):

Ken Davidian

Status Report Date:

September 28, 2015

Study Team Membership Changes

Effectivity Date:

Discontinue:

Name

Current email address

Add:

Name

Current email address

Tel.

Fax

Mailing address