

IAA Study Group Status Report

Responsible Commission:

Commission III

Study Number and Title:

Strategy of Large Scale Access to Space in Future

Short Study Description (repeat from Study Group Proposal):

With the development of human society and economy, and aerospace technology and industry, the requirement access to space becomes larger and larger. Especially, micro and small satellites begin blowout in these years. How to meet this kind requirement of large scale access to space and how to launch thousands of payloads with low cost are a tough problem we are facing. This study will focus on this problem. And the corresponding technologies and methodology will be studied.

Overall Goal:

Identify the requirement of access to space and exploration payload in future, and required key technologies and methodology to meet this kind of requirement.

Intermediate Goals:

Identify the quantitative requirement of access to space and exploration payload in future, and new technology and management methods to decrease the launch cost.

Progress in past six months:

- 1) The outline and the summary of the project have been finished and reported to Commission III at the 68th IAC Congress in Adelaide in 2017.
- 2) The preliminary draft has been discussed during the spring meeting in 2018.
- 3) And the study report draft has been revised after discussion in Paris based on some suggestions from the members. And the revised version was discussed again in Bremen in Sep.2018.
- 4) The 2nd version of draft report is finished, and presented and discussed in commission 2019 spring meeting.
- 5) The Commission review has been finished and the study report has been modified according to the reviewer's suggestions, and the report will be forward to SAC review before this October.

Website Study Information up to date? (Study Group Membership, Study Plan and Schedule):

The study information is on the website

Issues requiring resolution? (recommend approach)

Product Deliveries on Schedule? (if modified explain rationale)

The report will be forward to SAC review before 2019 Washington D.C. meeting, plan to finish SAC review ASAP and publish in the end of 2019.

Study Team Member Changes? (List and 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 Secretarist.)

NO.