

IAA Study Group Status Report

Responsible Commission: Commission III

Study Number and Title: 3.24 Road to Space Elevator Era

Short Study Description (repeat from Study Group Proposal):

This SG is the follow-up of the SG3.13 “Assessment of the Technological Feasibility and Challenges of the Space Elevator Concept” with the same baseline design assumptions.

Development of a unique space transportation system of the future, called a space elevator, should be accomplished with more international cooperation and should contribute to the overall development of space science and systems development. To accomplish these desires, projects are identified that can be accomplished in the near future leading to risk reduction and engineering enhancements. Specifically, the following practical on-orbit verification projects could be planned and promoted through this study group's activity.

Progress in past six months:

- (1) Gathered all members inputs to editor (Nov., 2017).
- (2) Additional material chapter was created and got inputs (Feb., 2018)
- (3) Finalizing final report for commission 4 review (Feb. – March, 2018)

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

Issues requiring resolution? (recommend approach):

None

Product Deliveries on Schedule? (If modified explain rationale): No

Study Team Member Changes? No:

Name of person providing Study Group Status

Mr. Akira Tsuchida – Chair

March 4, 2018