

IAA Study Group Status Report

Responsible Commission: Commission V

Study Number and Title: SG 5.5 - Space Debris Environment Remediation

Short Study Description (repeat from Study Group Proposal):

The feasibility and effectiveness shall be examined of space object removal concepts to control the evolution of the space debris environment. The analysis will cover active and passive removal methods including space tugs, electro-dynamic and momentum-exchange tethers, drag augmentation devices, directed energy, and natural orbit perturbations. Legal aspects of mass-removal concepts shall also be addressed.

Progress in past six months:

- the draft final report was submitted for Commission V review on July 18, 2011
- comments from Commission V were received on Feb. 8, 2012
- comments will be embedded in an updated SG 5.5 report by end May, 2012

Website Study Information up to date?

- current website content is outdated/incomplete (as a result of an earlier hacker attack?), except for the study description; previous study status reports were not reflected
- information (including membership and schedule) will be up to date when posting this status report.

Issues requiring resolution?

Legal issues of space debris environment remediation will need special attention. The Commission V initiative (Stephan Hobe & Ray A. Williamson) on "Orbital Debris Removal: Policy, Legal, Political and Economic Considerations" (approved at meetings of SAC and Board in March 2010, Paris) will be a natural follow-on of the current study.

Product Deliveries on Schedule? :

- the study is behind schedule, but close to completion
- the deliverables (draft final report and SG 5.5 status report) were provided

Study Team Member Changes?

See separate information (IAA Study Group Membership) for a full list of Study Group members.

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

Heiner Klinkrad.

Status Report Date: 21 Feb 2012

Study Team Membership Changes

Effective Date: 21 Feb 2012

Discontinue:

Name -
Current email address -

Add:

Name -
Current email address -
Tel. -
Fax -
Mailing address -