

# IAA Study Group Status Report

## Responsible Commission: Commission 4

**Study Number and Title:** IAA SG4.23, Post-Mission Disposal for Micro and Smaller Satellites: Concepts and Trade Studies (renamed: A Handbook for Post-Mission Disposal of Satellites Less Than 100 kg)

## Short Study Description (repeat from Study Group Proposal):

Make Recommendations for a Practical Implementation of Space Debris Mitigation Methodologies for Micro/nano/pico Satellites. Motivation is to provide factual information to small satellite community including university satellite community. The report will cover research on current and proposed debris mitigation devices, processes, and operational concepts that can be applied to Micro/Nano/Pico Satellites to comply with existing space debris mitigation guidelines. The research includes assessment of the current technology readiness levels (TRLs), the cost and schedule of the devices. It will outline a methodology of evaluation of the positive/negative impact of different solution approaches on the space debris environment and other space operators. Lastly, it will evaluate the positive/negative impact of implementing such devices, processes, and operational concepts on the space debris environment.

## Progress in past six months:

Completed major updates as the result of three formal reviews by over 20 independent experts and the primary chapter authors.

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

Rei Kawashima has been maintaining a complete list of reviewers and authors that is also included in the draft document.

## Issues requiring resolution? (recommend approach):

N/A

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

Yes, final report anticipated to be completed by March/April timeframe.

## 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.)

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

Rene Laufer, one of the members will present on behalf of Co-Chairs.

**Status Report Date:** 28 February 2019

### **Study Team Membership Changes**

Effectivity Date: October 1, 2018

**Discontinue:** N/A

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