

Proposal for Forming an IAA Study Group

Title of Study: S 5.1 Space Debris Mitigation Rules for Launch Vehicles and Spacecraft

Proposer(s): Ph. Couillard, J. Logsdon, W. Flury, N. Johnson

Primary IAA Commission Preference: 5

(From Commission 1 to Commission 6)

Secondary IAA Commission Interests: 4

(From Commission 1 to Commission 6)

Members of Study Team

Chair: W. Flury

Chair of Subgroup Launch Vehicles: Ch. Bonnal

Chair of Subgroup Spacecraft: J. Hussey

Other Members: members of the former Space Debris Subcommittee plus others

Short Description of Scope of Study

Overall Goal: Promote the adoption and implementation of debris mitigation measures. Follow on Academy Work to the Position Paper on Space Debris. Design and operational options for compliance with evolving space debris mitigation guidelines and standards (e.g. NASA Safety Standard, European Safety and Mitigation Standard, IADC Mitigation Guidelines). Establish a full set of rules to be used for launch vehicles and spacecraft for space debris mitigation purpose. When completed those rules should be applicable in all space-faring nations under UN rules for any kind of orbit including LEO, GTO and GEO. Two subgroups will be established: one for launch vehicles and one for spacecraft.

Methodology:

Identification, constraints, existing rules
Manufacturers issues, user issues, operational issues, economic consequences
Consensus on recommendations/rules, discussion at Academy, transfer to UNCOPUOS

Time Line:

2 to 3 years

First report available for IAC Bremen 2003

Final Product (Report, Publication, etc.):

Position Paper; also published in Acta Astronautica

Target Community:

Space agencies, launch vehicle and spacecraft manufacturers, users, providers, insurers, customers

Support Needed:

Legal support

Potential Sponsors:

Space agencies, space industry

To be returned to IAA Secretariat Paris fax: 33 1 47 23 82 16 email: sgeneral@iaanet.org

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