

Proposal for Forming an IAA Study Group SG 5.17

Title of Study: Space Debris Situation Report - 2019

Proposer(s):

(Must be member(s) of the Academy M or CM)

Christophe Bonnal (M)

Darren McKnight (M)

Primary IAA Commission Preference: 5

(From Commission 1 to Commission 6)

Commissions: 1 Space Physical Sciences, 2 Space Life Sciences, 3 Space Technology & Systems Development, 4 Space Systems Operations & Utilization, 5 Space Policy, Law & Economics, 6 Space and Society: Culture and Education

Secondary IAA Commission Interests: 3, 4, 6

(From Commission 1 to Commission 6)

Members of Study Team

Chair(s):

(Must be member(s) of the Academy, M or CM)

Christophe Bonnal

Darren Mc Knight

Secretary:

Other Members:

(Open to members and non- members of the Academy)

To be determined, based on the list from SG 5.14 + new members

Short Description of Scope of Study

Overall Goal:

(Expected scientific or practical benefit of the study group's efforts)

Update of the Space Debris Situation Report – 2016 including new elements, potential improvements and updates.

Following the positive remarks of peer reviewers:

- Improvement of the structure of the document
- Inclusion of data coming from major and minor players (China, India, Ukraine, Korea, ...)
- Inclusion of key new topics such as Large Constellations, Nano-Cube sats, improvements of SSA capabilities...
- Update of the figures to cope with latest available ones

International Academy of Astronautics (IAA)

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Instructions and application form: see: "Scientific Activity" section at <http://iaaweb.org/content/view/256/393/>

Methodology:

(Email works, workshops, stand alone conferences, interim publications, etc.)

Exchange by mail

Status every 6 month during the IAA Space Debris Committee meetings

Time Line:

(Cannot exceed three years)

First draft by March 2018

Final draft for Peer Reviewing by October 2018

Publication in March 2019

Final Product (Report, Publication, etc.):

Report

Target Community:

Very general: Industry, Agencies, Labs, Universities, and Media

Support Needed:

None

Potential Sponsors:

None

To be returned to the IAA Secretary General Paris

by fax: 33 1 47 23 82 16 or

by email: sgeneral@iaamail.org

Date: March 19th, 2017

Name: Christophe Bonnal

(No Signature required if document authenticated).