

IAA Study Group Status Report

Responsible Commission: V

Study Number and Title: SG5.14 Space Debris Situation Report

Short Study Description (repeat from Study Group Proposal):

Situation Report of the Space Debris problematics, acting as an update of the IAA Position Papers 1993 and Revision from 2001, taking into account the IAA Position Papers on Space Debris Mitigation (SG5.1) and on Space Debris Remediation (SG5.5). Available elements from on-going SG5.10 devoted to Policy, Legal and Economic Issues in Orbital Debris Removal will also be included.

Progress in past six months:

First draft of the complete document. Some parts of chapters missing

Table of contents and key authors:

<i>Co-Editors:</i>	<i>Darren McKnight & Christophe Bonnal</i>	
1. <i>Introduction, recall of scope and past studies:</i>	<i>Darren McKnight</i>	<i>4 pages</i>
2. <i>Present status:</i>	<i>Heiner Klinkrad</i>	<i>10 pages</i>
3. <i>Measurements:</i>	<i>Thomas Schildknecht & Vladimir Agapov</i>	<i>10 pages</i>
4. <i>Space surveillance:</i>	<i>Christian Cazaux, Dave Finkleman, Fernand Alby, Dan Oltrogge</i>	<i>10 pages</i>
5. <i>Collision risks:</i>	<i>Christian Cazaux, Dave Finkleman, Fernand Alby, Dan Oltrogge</i>	<i>10 pages</i>
6. <i>Reentering space objects:</i>	<i>Holger Krag & Marlon Sorge</i>	<i>10 pages</i>
7. <i>Future environment:</i>	<i>Paula Krisko & Juan-Carlos Dolado-Perez</i>	<i>10 pages</i>
8. <i>Debris mitigation:</i>	<i>Manuel Metz & J-C. Liou</i>	<i>10 pages</i>
9. <i>Remediation:</i>	<i>Darren McKnight & Seishiro Kibe</i>	<i>10 pages</i>
10. <i>Protection:</i>	<i>Frank Schäfer</i>	<i>10 pages</i>
11. <i>Legal:</i>	<i>Tanja Masson-Zwaan</i>	<i>10 pages</i>
12. <i>International aspects:</i>	<i>Charlotte Mathieu & MYS Prasad</i>	<i>6 pages</i>
13. <i>References & Standards:</i>	<i>Christophe Bonnal</i>	<i>6 pages</i>

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

Change of Title : Situation Report

Membership : please modify as per the list above

Issues requiring resolution? (recommend approach):

Missing paragraphs

Minor conflicts within chapters

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

Initial schedule :

Status during the March meeting of the IAA Space Debris Committee in Paris

First Draft in Toronto reviewed within the September meeting of the IAA Space Debris Committee

First complete draft by January 20th 2015

First Draft polishing in February 2015

Final draft expected in March 2015

*Delivery to IAA for Peer Reviewing and final process
Effective publication expected before IAC 2015*

Revised schedule:

Will be late by 6 months as some parts are still missing

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.)

Please check list above

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

Christophe Bonnal – Darren Mc Knight

Status Report Date:

02 March 2015