

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:

Second draft of the complete document. Still some parts of key chapters missing

Globally, document finished at 95%

Dedicated meeting in Jerusalem, on Oct. 10th, 11:00 to 13:00

Revised Table of contents, key authors and length:

Co-Editors:	Darren McKnight & Christophe Bonnal	Planned	Is today
Executive Summary	Darren McKnight	4 pages	3
Table of Contents	Christophe Bonnal	2 pages	2
1. Introduction, recall of scope and past studies:	Darren McKnight	4 pages	3
2. Present status:	Heiner Klinkrad	10 pages	11
3. Measurements:	Thomas Schildknecht & Vladimir Agapov	10 pages	6
4. Space surveillance:	Christian Cazaux, Dave Finkleman, Fernand Alby, Dan Oltrogge	10 pages	15
5. Collision avoidance:	Christian Cazaux, Dave Finkleman, Fernand Alby, Dan Oltrogge	10 pages	4
6. Protection:	Frank Schäfer & Eric Christiansen	10 pages	12
7. Reentering space objects:	Holger Krag & Marlon Sorge	10 pages	13
8. Future environment:	Paula Krisko & Juan-Carlos Dolado-Perez	10 pages	11
9. Debris mitigation:	Manuel Metz & J-C. Liou	10 pages	10
10. Remediation:	Darren McKnight & Seishiro Kibe	10 pages	12
11. Legal:	Tanja Masson-Zwaan	10 pages	9
12. International aspects:	Charlotte Mathieu & MYS Prasad	6 pages	5
13. References & Standards:	Christophe Bonnal	7 pages	7
Appendixes		3 pages	3
		<hr/> 126 pages	<hr/> 126

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):

Some paragraphs are still missing

Minor conflicts within chapters

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

Initial schedule :

Study Kick-Off September 21st 2013

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:

Done:

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

First complete draft in January 2015

First draft polishing following meeting in March 2015

Draft in July 2015, sent for initial reviewing by a few experts outside the contributors group

Expected:

Final draft end September 2015

Final discussions in Jerusalem October 2015

Delivery to IAA for Peer Reviewing mid November 2015

Effective publication expected by March meeting 2016

Current draft has been sent to 5 experts within the IAA Space Debris Committee for Reviewing priori to finalization of the document. 3 reviews received so far.

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.)

OK, no change

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

Christophe Bonnal – Darren Mc Knight

Status Report Date:

29 September 2015