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:
Co-Editors: Darren McKnight & Christophe Bonnal

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

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