

# **International Academy of Astronautics**

## **Commission V – Meeting Report**

**Paris, 26<sup>th</sup> April 2018**

### Attendance:

Bernhard Schmidt-Tedd (Chair), Isabelle Duvaux- Bechon (Vice-Chair), Gabriella Arrigo (Secretary), Marius-Ioan Piso, Christophe Bonnar, Zvi Kaplan, Piero Messina, Serge Plattard, Lesley Jane Smith, Ray Williamson, Christophe Bonnal, Kitazawa Yukihiro, Chern Jeng Shing, Darren McKnight.

### **1. WELCOME**

The Chair of the Commission, Bernhard Schmidt-Tedd, welcomed the participants.

### **2. ADOPTION OF THE AGENDA**

The agenda was adopted.

### **3. ADOPTION OF THE MINUTES OF THE LAST COMMISSION 5 MEETING, ADELAIDE 23 SEPTEMBER, AUSTRALIA**

The minutes of the last Commission meeting in Adelaide were adopted.

Isabelle Duvaux- Bechon summarized the main elements of the new rules governing the Commissions that have been recalled at the Commission plenary meeting:

- No limitation of Commission members anymore: it is important to be active, the inactive members will not be able to stay in the Commission.
- It is strongly recommended to have a minimum of four meetings per year, including teleconferences in between the Spring and Autumn meetings.
- Preparation of IAA Summit 2020: climate change, robotic, manned space exploration, disaster management. A permanent committee will be established for each field.

### **4. IAA COSMIC STUDIES**

#### **4.1 CURRENT STUDIES**

The Chair introduced the status of the studies.

##### **4.1.1 Study Group 5.10 - Orbital Debris Removal: Policy, Legal, Political and Economic Considerations**

Ray Williamson introduced the study.

Review results should be received by April 9, 2018 deadline.  
Commission 5 pre-review results should be confirmed.

**4.1.2 Study Group 5.11 Global assessment of regional cooperation in space: policies, governance & legal tools.** Chairs: Arevalo/Impallomeni/ Murthi/Ospina

The study has been published

**4.1.3 Study Group 5.12 - Dynamics of Space Exploration Strategies and Future Outlook**

Serge Plattard reported on the criticalities of the study. Due to the commitments of the members and the US policy change in the exploration strategy the study is pending. The group will try to refresh the study and the composition of the Team.

**4.1.4 Study Group 5.13 - Space Systems as Critical Infrastructure**

Piso reported that the study is in print.

**4.1.5 Study Group 5.14 - Situation Report on Space Debris 2016**

The study is published and available on line.

**4.1.6 Study Group 5.15 - Space Traffic Management – Towards a Roadmap for Implementation**

It is in publication process. It will be distributed at LSC-COPUOS meeting in April.

**4.1.7 Study Group 5.16 - International Legal and Policy Regimes for Space Natural Resources Exploitation and Utilization (SREU)**

No report was provided.

**4.1.8 Study Group 5.17 – Space Debris Situation Report - 2019**

Bonnal reported that the study is proceedings and the members list is under discussion. It can be linked to both Commissions 3 and 5.

## **4.2 NEW STUDIES PROPOSALS**

- Zvi Kaplan proposed a new study on “Access to Space Needs and Capabilities in the Foreseeable Future”. Nevertheless, it seems not adequate to the Commission V primary competence as too technical (better primarily in Commissions III or IV).
- Serge Plattard proposed a study on “Security issues of space activities and future perspectives” to be launched in 2019.
- In addition, Serge Plattard proposed also a study on “Contribution/existing dependency of space in the info-sphere and long term viability”

These two ideas for studies will have to be further investigated.

## **5. IAA CONFERENCES**

- 5.1 8<sup>th</sup> European Conference on Space Debris 2018, Darmstadt, (Germany).  
2<sup>nd</sup> IAA Conference on SSA, 19-20 November, Washington D.C.(USA)

7<sup>th</sup> IAA Conference on Space Systems as Critical Infrastructure  
planned for August 2-3, 2018 in Mamaia, Romania.

Private Access to Space Conference, 19-21 November 2018, Taiwan

## **5.2 IAA SYMPOSIA AT IAC**

### **IAC 2018, 1-5 October, Bremen, Germany**

- Symposium on space debris
- Symposium on space policy, regulation and economics
- UN/IAA Small satellites missions workshop
- IAA/IISL round table: global cooperation in planetary defence

## **6. REPORT FROM THE IAA PERMANENT COMMITTEES**

### **6.1 COMMITTEE ON SPACE DEBRIS**

IAA Permanent Committee on Space Debris  
C. Bonnal reported (See the report)

## **7. IAA HEADS OF SPACE AGENCIES SUMMIT**

No report

## **8. OTHER BUSINESS**

## **9. ADJOURN**

Next Commission 5 meeting will be in Bremen in September 2018 (IAC 2018).  
A teleconference will be arranged at a date to be decided.