

Proposal for Forming an IAA Study Group : 5.3

Title of Study: Traffic management rules for space operations

Proposer(s): Kai-Uwe Schrogl

Primary IAA Commission Preference: V, Space Policies, Economics & Law

(From Commission 1 to Commission 6)

Secondary IAA Commission Interests: IV, Space Syst. Operat. & Utilization

(From Commission 1 to Commission 6)

Members of Study Team

Chairs: Kai-Uwe Schrogl, Petr Lala

Secretary: Corinne Contant

Other Members:

Walter Flury, Jo Ann Clayton, William H. Allor, Kelvin Coleman, Arnel Kerrest, Jean-Francois Mayence, Sylvia Ospina, Lubos Perek, Susanne Reif, Patrick Salien, Masahiko Sato, Yuri Kolosov, Kenneth Hodgkins, Fans von der Dunk, Peter van Fenema, Joe Bravman
Representative ITU, Representative ICAO

Short Description of Scope of Study

Overall Goal:

The study shall draft a framework for coping with the increasing public and private use of outer space. It shall develop "rules of the road" for the three phases of space traffic (launch - in orbit - reentry), which would provide the effective basis for safe and orderly space operations also in the

Intermediate Goals:

In a first step, the study group would provide answers to the following basic questions:

- Status and prospects for space traffic (growthrates, technologies for operations)
- Information needs/observing capacities
- Relevant legal aspects (status of outer space and orbits, "launching State")
- Established/currently developed mechanisms (GSO, space debris)
- Examination of new mechanisms ranging from coordination to regulation
- Comparison with other models of traffic management (terrestrial, maritime, air)
- Institutional aspects for implementing traffic management rules

In a second step, these findings will be integrated into a comprehensive framework.

Methodology:

The study possesses an inherently interdisciplinary character. It builds on technical provisions (operations in orbits, space debris mitigation etc.) and investigates into legal and organizational questions. It also involves an interface requiring close cooperation with other international, mainly regulatory institutions like the ITU and ICAO but also with institutions in the field of standardization like ISO

Time Line:

Late 2001 to early 2003.
Making use of i.a. IAF Congress (IAA-IISL Scientific-Legal Roundtable) and IISL/ECSL Symposium at the UNCOPUOS Legal Subcommittee.

Final Product (Report, Publication, etc.):

Report with precise proposals for action (draft legal text/draft amendments for existing legal texts; standards; organizational proposals).

Target Community:

Regulatory and law-making institutions: UNCOPUOS, ITU, ICAO, standardization institutions and their member States.

Support Needed: tbd

Potential Sponsors:

DLR, ISU, ESOC, IISL/ECSL, Universities of Cologne and Leiden (all tbc)

To be returned to IAA Secretariat Paris fax: 33 1 47 23 82 16 email: sgeneral@iaanet.org

Date:

Signature:

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Received :

Validated : Validation and final decision of the Board expected in Toulouse

by :

Comments :

The Study Group is expected to provide progress status and final organization at the Academy Day, September 30, 2001 in Toulouse.

Last modification :