

Proposal for Forming an IAA Study Group

Title of Study:

Space Systems as Critical Infrastructure

Proposer(s):

Marius-Ioan Piso

Primary IAA Commission Preference:

Commission 5

Secondary IAA Commission Interests:

Commission 4. Commission 3)

Members of Study Team**Chairs:****Secretary:****Other Members:**

Kai-Uwe Schrogl

Gerard Brachet

Sergio Camacho

Dumitru Prunariu

Virgiliu Nicolae Constantinescu

Dumitru Hasegan

Claudie Haignere

Short Description of Scope of Study

To bring a qualitative and quantity assessment of the degree of criticality of space systems as essential infrastructures for the actual Earth civilization

Overall Goal:

To estimate the level of dependence of Earth civilization on the actual and planned space systems

To estimate the level of dependence of space systems on internal and out of Earth aggressive factors

To produce recommendations for space agencies and political stakeholders regarding actual utilization and future needs of critical space systems

Intermediate Goals:

To correlate parts from issues as: space debris, NEO, nuclear sources in space, disaster management, long term threatening Earth and space factors

To generate substance for legal instruments and policy guidelines

To generate multi-disciplinary issues as base for next studies

Methodology:

Online activity
Kick-off meeting
2 Workshops

Time Line:

2 years, two intermediate phases

Final Product (Report, Publication, etc.):

Report, publications in AA and Space Policy, website

Target Community:

UN-COPUOS
European Level: European Commission ESRIF, ESFRI
NATO RTO

Support Needed:

Potential Sponsors:

ROSA
Companies t.b.d.

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

Date:

Signature:

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