

IAA Study Group Status Report

Responsible Commission: V

Study Number and Title:

Dynamics of space exploration activities and outlook

Short Study Description (repeat from Study Group Proposal):

The objective of the International Academy of Astronautics (IAA) Cosmic Study "Dynamics of Space Exploration" is to compile a comprehensive space policy report on the development of the domain of space exploration. A new vision for space exploration has to be bold, collective, holistic, paved with realistic milestones shared by the stakeholders and conceived in a sustainable manner. A new value proposition for space exploration should be pursued such as measuring the scientific, technological, economic and cultural benefits for humankind. The goal is to develop a common integrated space vision. This common space vision could be implemented in the future by an international Space Exploration Council that acts as an efficient planning and decision-making body and unites a number of stakeholders from governments, space agencies, space entrepreneurial entities, the aerospace industry, the scientific community, and civilian society from all spacefaring countries. It will represent a top down structure supported by bottom up activities of science/technology analysis and space architecture working groups. In this Cosmic Study we identify challenges and opportunities in order to align space stakeholders nationally and internationally and discuss how an international Space Exploration Council could reconcile the interests of "individual" countries and private pursuits.

Progress in past six months:

Text material added for several chapters, particular Chapter 3:

- 3.2/3.3 Destinations: Moon, Mars (updates)
- 3.4 NEO research: additions of ARM project
- 3.5 Extention of chapter in the explorations activities on the International Space Station
- 3.6 Other destinations: Update
- Inclusion of the recommendations of the new NRC report on Human Spaceflight

Website Study Information up to date? (Study Group Membership, Study Plan and Schedule):

Yes

Issues requiring resolution? (recommend approach):

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

need to clarify some issues, see this page

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.)

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

Please note that Nicolas Peter was the initial Study lead, since he was not yet member of the IAA, Pascale Ehrenfeund has taken the interim position as study leader. Since two years this situation has not changed since his election in the IAA is not confirmed!

Status Report Date: September 26, 2014

Study Team Membership Changes

Effectivity Date:

Discontinue:

Add: