

IAA Study Group 3-26 Status Report – Sept 2016
Space Mineral Resources II, Considerations and
Recommendations on National Legislation Relevant to
Extraterrestrial Resource Utilization and Benefication

Responsible Commission: III

Study Number and Title: Space Mineral Resources II, Considerations and Recommendations on National Legislation Relevant to Extraterrestrial Resource Utilization and Benefication

Short Study Description

Overall Goal: To provide the appropriate approach for teams in the public and private sectors to progress into space leveraging the extra-terrestrial resources available. The investigation will look across the technological, legal, and programmatic challenges. Emphasis will be upon the Outer Space Treaty recognition of national authority and the ability to utilize resources in space for public and private activities. The concept is that humanity must move beyond low Earth orbit in a timely manner leveraging the strengths of each nation. Intermediate Goals: Investigate and report upon:

An updated Global Exploration Roadmap with commercial programs added to or leveraging government plans

Available Technologies, launch, propulsion, space mining, transportation, storage, and transferring assets in-space, on asteroids, at the Moon, Mars, and beyond. The key is to identify technology readiness and risk reduction activities needed to progress off-planet.

Programmatic issues such as funding, cost to orbit, developmental times and investment potential for mining space mineral resources. This would show government investment planning and commercial economic models.

Legal challenges and authorities based on the OST to exploration and utilization of resources beyond low Earth orbit, to include Asteroids, Lunar and Martian locations.

Governance from the view of how to implement appropriate oversight for public and private projects. Expansion of the concept that the Outer Space Treaty provides the legal basis for national responsibility for each nation's space

activities; to include, civil, defense, and commercial.

Progress in past six months:

Initiated study and in process of gathering study group members. First meeting Tuesday of IAC week.

Website Study Information update: (please give any update regarding Study Group Membership, documents, Study Plan and Schedule):

None.

Issues requiring resolution? (recommend approach):

Create website location for study 3-26 and place these two documents there.

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

Tbd

Study Team Member Changes?

In process of recruiting members.

Name of person providing Study Group Status

Art Dula, Study Chair

Status Report Date: 16 Sept 2016