

IAA Study Group Status Report

Responsible Commission:

Study Number and Title: SG3.18; Study of Possible International Protocol to handle Crisis/Emergency of Astronauts in Low Earth Orbit

Short Study Description (repeat from Study Group Proposal):

It is expected that human activities in LEO would be on the rise in future not only due to missions around the earth but also because of other interplanetary manned missions including that to Mars. As a consequence the probability of major malfunctions of Human Missions in Low Earth Orbit will increase accordingly. The Study will assess the feasibility to establish a protocol, restricted to rescue of crew from LEO, who got marooned or have lost de-orbit burn capability or are left with intolerably damaged thermal protection system and is not considering Moon, trans-lunar, Mars or other interplanetary missions. Rescue in the context of this protocol is considered to be those cases where external assistance is mandatory to rescue the lives of the crew.

Progress in past six months:

- Had three telecom-15 February, 21 May and 21 June. Fourth is scheduled on 21 August. One meeting of chair and two members held at ESA HQ on 20 March.
- Status paper made and presented in IAA conference at Turin in July
- Content list prepared and finalized after consultation with team members.
- Detailed literature collected on the topic.
- Draft chapters prepared and circulated to members. Based on input from members, chapters modified.
- A consolidated draft document prepared and circulated to members for comments.

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

Issues requiring resolution? (recommend approach):

Members / Participants from Russia , Japan and other space-faring nations solicited.

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

Yes

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):
Sundaram Ramakrishnan

Status Report Date: 14 August 2013

Study Team Membership Changes

Effectivity Date: immediate

Discontinue:

Name **Yury Sosyurka**

Add:

Name **GURRIC DE CROMBRUGGHE DE LOORINGHE**