

IAA Study Group Status Report

Responsible Commission:

Study Number and Title: SG3.18; Study of Possible Inter-agency 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 [Since February 2014]:

- Had information exchange through emails
- Preliminary cosmic study report circulated among members for feedback.
- Feedback and comments awaiting based on paper presented at IAA Conference at Washington
- Review article appeared in Aviation Week & Space Technology, February 24, 2014 underscoring the importance of study and was circulated to members
- A new member from Belgium Gurrice De Crombrughe De Loringhe added

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

Issues requiring resolution? (recommend approach):

Members / Participants from other space faring nations like Russia, Japan, are important for wide acceptability of the contents and further refinement of protocol. More active participation needed from Chinese member.

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.)

Need change. Add members from Russia, Japan and ESA. Also the current Chinese member has to be more active.

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

Status Report Date: 8 September 2014

Study Team Membership Changes

Effectivity Date:

Discontinue:

Name
Current email address

Name
Current email address

Name
Current email address