

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 Sept 2013]:

- Had Telecons
- Status paper made and presented in IAA conference at Beijing, September 2013
- Draft report with corrections circulated to members
- Modifications proposed by the President of the International Institute of Space Law implemented
- Prepared an abstract and sent to IAA pre-summit conference
- Preliminary Cosmic study report prepared and submitted
- Write up given for HSFCG synthesis report
- Paper based on Preliminary cosmic study report got accepted for IAA conference at Washington
- Paper presented at IAA Conference at Washington

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 China.*

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.)

No change

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

Status Report Date: 25 February 2014

Study Team Membership Changes

Effectivity Date:

Discontinue:

Name
Current email address

Name
Current email address

Name
Current email address

Add:

Name **GURRIC DE CROMBRUGGHE DE LOORINGHE**
Current email address g.crombrugg@gmail.com
Tel. +32(0)474/82.89.76
Fax
Mailing address Rue Comte J. de Meeus 6, 1428 Lillois, Belgium

[This name was given in last status, but no confirmation received about acceptance of this member]