



IAA Commission III meeting

Annexure - II

Paris, March 22nd, 2010
Christophe Bonnal

Progress report on IAA Study Group 3.9 “Private Human Access to Space”

Proposer(s): H. Rauck – G. Brachet **Chair:** Ch. Bonnal

Primary IAA Commission Preference: Commission 3

Secondary IAA Commission Interests: Commission 5

Overall Goal:

Identify and quantify the key topics associated to Manned Private Access to Space for both Orbital and Sub-orbital missions.

Key words:

- Technical aspects
- Legal and regulatory aspects, safety aspects
- Financial aspects, market analyses, associated business plans
- Motivations of potential customers
- Physiological and Psychological requirements, ergonomic constraints

Expected outcome of the study:

IAA Position Paper giving the keys to the topic and potentially including recommendations. Subdivision of the study into key chapters, with one “book captain” per chapter ; 7 or 8 members per chapter covering a wide range of origins (countries, agencies, industrials, searchers, operators...)

Time line:

Initially: 3 years following the initial proposal (March 2007)

Revised timeline:

- 1st IAA symposium on Private Human Access to Space (Arcachon)
 - ⇒ 28-30 May 2008
 - Publication of the full CD with all the papers, most of the presentations, pictures, ... Distribution to all participants
 - ⇒ End of September 2008

- Report during IAC Glasgow ⇒ October 2008

- Publication in Acta Astronautica of the 15-20 best papers out of the 68 presented in Arcachon
 - Process undergoing: 15 papers pre-selected
 - 4 rejected
 - 2 withdrawn after review
 - 14 finalized ⇒ Finished under printing Vol 66, 11-12

- SG: Formal invitation of members of the SG
 - Additional members are welcome, but may lead to problems of coherence and homogeneity (lack of efficiency; depends on the definition of a Working Group !)
 - ⇒ Daejeon, October 2009
 - Extended table of contents ⇒ IPC, Paris March 2010
 - Draft for Peer Review within IAA ⇒ Praha, September 2010
 - Final publication ⇒ IPC, March 2011.

- 2nd IAA symposium on Private Human Access to Space
 - Numerous demands for a new edition of the symposium
 - Arcachon with Avantage Aquitaine again (very positive feedback last time)
 - Proposed slots: 2-4 may 2011 or 30, 31 May, 1st June 2011
 - ⇒ Urgent decision
 - ⇒ Need to identify potential conflicts

- Associated proposal to delay the preparation of the Position Paper. Already discussed with IAA SG
 - ⇒ No urgency
 - ⇒ Numerous open points to date