

IAA Study Group Status Report

Responsible Commission:

Commission 4.

Study Number and Title:

4.8: Space Systems Cross-Compatibility

Short Study Description (repeat from Study Group Proposal):

Common systems and standardization have been referred as “key words” in reducing space mission costs. NASA has experimented with these concepts for at least 35 years and implemented approaches for modular, standard components and interfaces with varying degrees of success. Interface definitions today have evolved considerably, and present a unique opportunity to effect cost reductions, in particular through the application of “plug-and-play” (PnP) principles. The IAA study group will focus on “Space System Cross-Compatibility” leveraging PnP interfaces, modularity and other concepts with a goal of reducing mission costs and increase international cooperation. Among the numerous possibilities, systems that leverage these ideas promise to find application in Science, Exploration, Commerce, and other areas requiring cost reduction through fast system design, build, integration, test and flight.

Progress in past six months:

Meeting was held in Glasgow, with 12 participants in attendance. Minutes of the meeting are attached at the end of this report.

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

Website needs to be updated.

Issues requiring resolution? (recommend approach):

Except for the Study Group Chair (Jaime Esper), all other Study Group officials are not IAA members. Marco D’errico’s corresponding membership is currently in progress. Request flexibility in official selection, as expertise may not be wholly contained within the IAA.

Schedule may need updating after May 2009. Depending on the results of this planned meeting, at the 7th IAA Symposium on Small Satellites for Earth Observation in Berlin, we may need to extend the final deliverable to 2011 in Berlin. This also depends on the membership, as it continues to fluctuate slightly. It is expected membership will be solidified during this meeting.

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

Product deliverables continue on schedule as defined in the SG proposal: First draft position paper in April (now May) 2009; Second Draft in September 2009; Final Paper in September 2010.

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.)

Members listed in website do not have contact information. That is provided in this report.

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

Jaime Esper (CM2), Chair.

Status Report Date:

March 13, 2009.

Study Team Membership Changes

Effectivity Date: March 13, 2009

Discontinue:

Kobayashi Chisato
Current email address UNKNOWN

Erin Kahn
Current email address UNKNOWN

Ray Williamson
rayw@gwu.edu

Add: (Since Email Addresses had not been provided before, this list includes current as well as member additions to the SG since last report).

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