

IAA Study Group Status Report

Responsible Commission: 4

Study Number and Title: 4.8 on 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:

Paper completed. Waiting NASA approval for publication.

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

No. Requires update as shown here.

Issues requiring resolution? (recommend approach):

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

No. Progress has been slow due to study chair and participant work commitments. Final has been completed. Will be submitted for publication at the Small Satellite for Earth Observations Symposium in Berlin in 2013.

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.)

Membership is now limited to the report authors. No other significant input was provided otherwise.

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

Status Report Date:

Study Team Membership Changes

Effectivity Date:

Discontinue:

Name
Current email address

Name
Current email address

Name
Current email address

Add:

Name
Current email address
Tel.
Fax
Mailing address

Name
Current email address
Tel.
Fax
Mailing address