

Space Standards and Architecture

SHORT COURSE

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January 5, 2020 | 0800-1700 hrs | Orlando, FL

This course is intended for individuals and organizations that desire to increase their teams' understanding of the benefits of and the usability of (1) Space Standards and (2) Architectural Frameworks. The audience should be spaceflight mission planners, managers, designers and engineers that seek guidance on the broad space standards environment and techniques to "harvest" the most beneficial standards to be applied to their missions. The course is for mission users, not standards developers. This applies to all engineering domains but is especially valuable where systems interface across organizational boundaries.

Learning Objectives

- Targeting the standards that **your** mission needs; developing **your** mission's architecture
- There are over 500 standards unique to the space business. Not all apply to all missions. This class gives you the tools to figure out which ones apply to your mission.
- Architecture development goes hand-in-hand with standards selection. This class gives you an overview of current model-based-engineering methods to develop and communicate your architectural decisions.
- Understand the role and interaction of the Standards Development Organizations involved in Voluntary Consensus Standards, specifically for space.
- Understand the Business Case for open space standards and how standards are a component of commercial best practices.
- Understand the basic elements of standard architecture models, including views, and the role of standards in an architecture. Functional, Service, Systems and Operations Views are discussed in detail.
- Learn which standards are applicable to different mission types (LEO, Deep Space, Human spaceflight, etc.).

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PRICING

Standard Rate <i>Non AIAA Members</i>	\$450
Early AIAA Member Rate <i>Until December 16</i>	\$350
AIAA Member Rate	\$400



In conjunction with



6-10 January 2020 | Grand Hyatt Orlando | Orlando, FL

