

Aerospace & Defense PLM Action Group

Founded in February 2014

AIRBUS



BOMBARDIER
l'évolution de la mobilité



Gulfstream®
A GENERAL DYNAMICS COMPANY



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Aerospace & Defense PLM Action Group

Mission

An association of aerospace & defense companies within CIMdata's globally recognized PLM Community Program, which functions as a **PLM advocacy group** to:

- Set the direction for the aerospace & defense industry on PLM-related topics that matter to members
- Promote common industry PLM processes and practices
- Define requirements for common interest PLM-related capabilities
- Communicate with a unified voice to PLM solution providers
- Sponsor collaborative PLM research on member-prioritized industry and technology topics



Status

- Fall F2F: August 10-11
 - 10 Members
- 5 Projects in work
 - White papers publishing in Q4 '17 and Q1 '18
 - Engagement with PLM providers in workshops
- 6 Goals in work
 - Approval to liaise with SC 4 WG 12 as a Cat D
 - Vision drafted
 - Review influence levers



Aerospace & Defense PLM Action Group
 10-11 Oct 2017 In Person Meeting Notes
 Georgia Institute of Technology, Global Learning Center, Atlanta, Georgia

AIRBUS

BOEING

BOMBARDIER

DASSAULT

EMBRAER

GE Aviation

Gulfstream

Pratt & Whitney

Rolls-Royce

SAFRAN

PLM Consulting 1

Next Year and Beyond Workshop – Part 2

AD PAG vision of the PLM world in 2022-23 (draft v1)

As we consider the future of PLM, we envision a world of accelerating change and greater stability; a world of unpredictability and adaptability; a world of large investments and even greater returns on those investments.

The two inviolate principles of this new order are data accessibility and technology interchangeability.

In the future, new technical capability will develop at an accelerating pace, and market forces in the A&D industry will drive rapid adoption. In this future, commercial PLM solution architectural constructs and user solution management practices will facilitate rapid and inexpensive implementation of new generations of PLM capability, while assuring that users retain ownership of their data, including the ability to fully interpret and utilize their data regardless of how or when it was authored.

Though the nature and the sources of next generation capabilities cannot be predicted, the pervasive support within the PLM ecosystem constructs of data stability and technology interchangeability. The economic consequences of this future state of the cost to the industrial user for value received will stimulating a net increase in spending.

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2017-18 Plan

Members prioritize topics and fund research and team projects annually

- Number and scope of projects has increased year over year due to increase of available funds from larger membership

Topic	Members	2014-15 4	2015-16 4 -> 5	2016-17 5 -> 7	2017-18 8 -> 10+
Global Collaboration		Research Phase 1	Research Phase 2		Team Project
Obsolescence Management		Research Phase 1	Research Phase 2	Team Project	Project Close Out
Model-based Definition (MBD) and BOM Definition				Team Project Phase 1	Team Project Phase 2
Multiple-view Bill of Material (Multi-BOM)				Team Project Phase 1	Team Project Phase 2
Model-based Systems Engineering (MBSE)					Team Project Phase 1

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Further information

For further information or to inquire regarding membership
please contact **CIMdata**

Charles Ditchendorf, Senior Business Development Manager, email: c.ditchendorf@cimdata.com
or

James Roche, A&D Practice Director, email: j.roche@cimdata.com

or
any A&D PLM Action Group member



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Model-based Systems Engineering (MBSE)				Team Project Phase 1



2017-18 Plan

Goals and priorities

1. Publish process protocols and technical requirements, based on joint projects, to the PLM software providers and other industry entities
2. Publish direction statements, based on research/joint projects, to the PLM software providers and other industry entities
3. Establish formal cooperative relationships with other industry entities
4. Significantly impact one standard by forming cooperative relationship with a key standards body
5. Define and execute a communication strategy to influence the direction of the aerospace & defense industry on PLM-related topics
6. Achieve 10-12 fully committed memberships



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Though the nature and the sources of next generation capabilities cannot be predicted, the pervasive support within the PLM ecosystem for principles and constructs of data stability and technology interchangeability will assure compliance.

The economic consequences of this future state of the PLM ecosystem is that the cost to the industrial user for value received will drop dramatically, thereby stimulating a net increase in spending.

