



**2020**  
Annual **INCOSE**  
international workshop  
Torrance, CA, USA  
January 25 - 28, 2020

# Tools Integration & Model Lifecycle Management

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[www.incose.org/IW2020](http://www.incose.org/IW2020)

# Tools Integration & Model Lifecycle Management

## CHAIR

John Nallon (jfnallon@outlook.com)



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## MEMBERS

97

## CO-CHAIRS

Mark Williams (mark.williams@boeing.com)

Stephane Lacrampe (stephane.lacrampe@gmail.com)

Rene King (rking@ppi-int.com)

## INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/TIMLM/Pages/Home.aspx>

## INCOSE WEB PAGE



<http://www.incose.org/Chapters/Groups/WorkingGroups/transformational/tools-integration-interoperability>

# Charter Summary



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## WG PURPOSE/MISSION

The Tool Integration and Model Lifecycle Management WG provides a forum for discussion and dissemination of best practices, methods and processes that promote the development, validation and deployment of standards to advance the exchange of digital data between MBSE tools and toolsets.

## WG GOAL(S)

- To characterize systems engineering tool integration and interoperability requirements.
- To specify requirements and assess solutions for **model management and data exchange verification**.
- To provide an **Interoperability Forum** for the discussion and information dissemination regarding tool integration and effectiveness of data exchange standards amongst the INCOSE members and member companies.
- To develop a **SETDB for the INCOSE Web Site in collaboration with Product Performance International**.

## WG SCOPE

- The integration and interoperability of tools using data exchange standards and the management of digital artifacts as they relate to systems engineering processes and methods throughout a product lifecycle.
- Development of the **Systems Engineering Tools Database (SETDB)** in collaboration with Product Performance International (PPI).

# IW Outcomes



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## IW Outcomes

- Presented MBSE for PDES project and LOTAR for MBSE project overviews for the MBSE Workshop.
- Conducted a SETDB RE Tool Survey outbrief to the Requirements Working Group.
- Held an open discussion on the use of standards to implement digital data exchange
- Met with the DEIX Working Group to discuss the DVM Challenge project and the way forward
- Conducted 5 working sessions with the SETDB Development Team and stakeholders
- Exposed the SETDB Prototype to the membership and shared the web link with members of several working groups
- Outlined the SETDB Production Release Plan with the INCOSE CIO.
- Initiated business and marketing planning with the head of INCOSE Marketing and Communications.

# Planned Work past IW



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## PLANNED ACTIVITIES

- Continue RWG collaboration on the development of a RE and RM Tool Survey for the SETDB
- Continue DEIX collaboration on the development of a DVM Vendor Challenge
- Bi-Weekly Meetings with PDES Inc. to further the moderization of data exchange standards
- Bi-Weekly Meetings with LOTAR to further development of standards for MBSE digital artifacts
- Support of PDES and LOTAR conferences throughout the year
- Weekly SETDB Team meetings to continue the development of the SETDB
- Monthly discussions with INCOSE Marketng & Communications

## PLANNED WORK PRODUCTS

- The production release of the Systems Engineering Tools Database at IS 2020
- A SETDB Marketing and Communications plan to support the final product release announcements