



**2021**  
Annual **INCOSE**  
international workshop  
Virtual Event  
January 29 - 31, 2021

# Systems Engineering Tools Database

[www.incose.org/IW2021](http://www.incose.org/IW2021)

## CHAIR

John Nallon (Self Employed)

## CO-CHAIRS

Stéphane Lacrampe (OBEO Software)  
René King (Product Performance  
International)

## INCOSE WEB PAGE



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

## INCOSE CONNECT ADDRESS



<https://www.incose.org/incose-member-resources/working-groups/transformational/se-tools-database>

# Charter Summary



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## WG PURPOSE/MISSION

To work with the INCOSE Technical Operations Leadership, INCOSE Working Groups, INCOSE IT and Product Performance International (PPI) to provide and maintain a Systems Engineering Tools Database (SETDB) as a resource for members search for and obtain tool information for tool selection to support their business process.

## WG GOAL(S)

To provide the systems engineering community a reliable source of information about tools they are using or wish to use while executing their business processes in the product lifecycle.

To provide tool information mapped to categories and the systems engineering processes defined in ISO 15288, the systems engineering processes defined the INCOSE Systems Engineering Handbook and the PPI systems engineering process elements.

To define, design, implement and maintain the operations of the Systems Engineering Tools Database for the INCOSE membership and PPI clients.

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## WG SCOPE

In collaboration with Product Performance International (PPI) the Systems Engineering Tools Database Working Group (SETDB WG) will develop and maintain a Systems Engineering Tools Database application on the INCOSE Website.

## OUTCOMES (PRODUCTS/SERVICES)

### Outcomes (Products and Services)

1. Review and analyze the historical Systems Engineering Tools Database documentation
2. Initiate the design of Next Generation Tools Database including stakeholder identification, functional analysis, and dialogue with the supporting working groups responsible for their appropriate tool categories.
3. In collaboration with Product Performance International (PPI) define and design the INCOSE Systems Engineering Tools Database.
4. Generate all supporting system documentation and plans and maintain them on INCOSE CONNECT. Submit key documentation to the leadership and product oversight committees for review.
5. The SETDB WG will assist INCOSE IT with the administration and maintenance of the SETDB Website and contents.



## IW OUTCOMES

### IW2021 Outcomes:

- Baselined the SETDB v0.9 and deployed to the production servers on the systmesengineeringtools.com domain
- Drafted 4 of the 14 Operational Procedures and update the Purpose, Principles and Objectives of all procedures.
- Held two product demonstrations to the IW 2021 attendees
- Conducted a SETDB Update to the MBSE Initiative
- Facilitated a review and open discussion of the SETDB Tools Taxonomy.
- Conducted a Vendor Tools Registration class for tool vendors interested in SEDTB access.
- Initial exposure of the SETDB to the INCOSE user community and SE Tool Vendor community

## PLANNED ACTIVITIES AFTER IW

### Planned Activities Post IW2021:

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- Continue V&V of SETDB Version 0.9 and baseline v1.0
- Complete the set of Operational Procedures
- Integrate the SETDB with the INCOSE and PPI websites and user login (SSO)
- Complete and deploy the Vendor Tool Surveys for population
- Continue with public publicity of the SETDB site availability information ramp up.
- Encourage more vendors to participate in the use of the SETDB
- Integrate MS-Teams into our development processes
- Expand collaboration with other working groups

# IW Outcomes



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## PLANNED WORK PRODUCTS AFTER IW

### Planned Work Products Post IW2021:

- Systems Engineering Tools Database v1.0
- 14 Operational Procedures completed, approved and released.
- Establish a user support mechanisms and networks
- Grow the use of the SETDB and the contents of the database
- Planning for additional SETDB releases