



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

Integration, Verification & Validation

www.incose.org/IW2021

CHAIR

Jim Armstrong (Stevens Institute of Technology)

CO-CHAIR

Russ Kubychek (Progress Rail)

INCOSE WEB PAGE



<https://connect.incose.org/WorkingGroups/IW/SitePages/Home.aspx>

INCOSE CONNECT ADDRESS



TBD

Charter Summary



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WG PURPOSE/MISSION

The IV&V Working Group provides products, and expertise to improve the practices related to system integration, verification, and validation. These disciplines have been missing in the structure of Technical Operations resulting in a lack of a center of expertise to provide and support INCOSE products and activities.

WG GOAL(S)

The IVV WG primary goal is to provide a source of information for Members and other efforts within INCOSE regarding all aspects of Integration, Verification, and Validation and develop products that improve the understanding and practice of integration, verification, and validation:

- Customer(s)/Stakeholder(s);
- INCOSE Members
- INCOSE projects such as the SE Handbook updates
- Other WGs
- Internal to Tech Ops
- Requirements, Standards
- Within Chapters ? e.g., AFIS and Israel

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WG SCOPE

The IVV WG will address integration, verification, and validation as they apply to the entire product or service over its life cycle.

OUTCOMES (PRODUCTS/SERVICES)

- Verification and Validation Guidebook

This guidebook development is led by the Requirements WG and will provide guidance on conduct of these activities in support of the INCOSE SE Handbook. The IVV WG will participate and provide content and comments.

- Integration Guidebook

This guidebook development will provide guidance on conduct of systems integration in support of the INCOSE SE Handbook. This project will be conducted jointly with the Requirements WG and the two guidebooks may be combined.

- INCOSE SE Handbook Update

Comments and inputs are provided to the SE Handbook update effort.

- Standards review

The WG provides systems integration expertise in support of the INCOSE standards efforts.

- CAB Needs

Provide a response to needs concerning integration, verification, and/or validation

- Other review efforts

The WG will provide systems integration expertise in support of other INCOSE work such as VSE and MBSE.

IW Outcomes



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IW OUTCOMES

Review and comment of the Requirements Life-Cycle Manual and Guide to Verification and Validation - lead by Requirements WG

IVV WG Meeting at IW follows the Market Place

PLANNED ACTIVITIES AFTER IW

Start Guide to Systems Integration

Continue participation on Requirements Life-Cycle Manual and Guide to Verification and Validation

Continue participation on ISO 15288 and SE Handbook updates

PLANNED WORK PRODUCTS AFTER IW

Guide to Systems Integration