



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

Requirements

www.incose.org/IW2021

CHAIR

Tami Katz (Ball Aerospace)

CO-CHAIRS

Lou Wheatcraft (Wheatland Consulting)

Mike Ryan (University of New South
Wales (retired))

Rick Zinni (Harris Corp)

Kevin Orr (Eaton)

INCOSE WEB PAGE



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

INCOSE CONNECT ADDRESS



<https://www.incose.org/incose-member-resources/working-groups/process/requirements>

Charter Summary



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WG PURPOSE/MISSION

The purpose of the Requirements Working Group (RWG) is to advance the practices, education and theory of needs and requirements development and management and the relationship of needs and requirements to other systems engineering functions.

WG GOAL(S)

Expand and promote the body of knowledge of needs and requirements and its benefits within the systems engineering community.

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WG SCOPE

Activities relating to best practices for needs and requirements development and management throughout the product lifecycle including:

- Elicitation
- Elaboration
- Expression
- Analysis
- Management
- Verification and Validation

OUTCOMES (PRODUCTS/SERVICES)

The requirement working group will realize the following outcomes:

- Publish manual and guidance related to development and management of Needs and Requirements
- Maintain the INCOSE Guide to Writing Requirements
- Maintain the whitepaper Integrated-data as a Foundation of Systems Engineering
- Continue to propose and develop new products
- Contribute to the requirements-related portions of the SE handbook and SEBoK
- Contribute to the development of SE ontologies
- Formulate guidance for the development and management of needs and requirements
- Contribute to development and management of need and requirements in data-centric environments
- Maintain the RWG connect website
- Ensure accurate content on the RWG public website
- Provide services supporting standards activities relevant to requirements engineering
- Maintain the working group charter

IW Outcomes



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IW OUTCOMES

A great set of sessions with various members! Discussed an overview to the Needs and Requirements Lifecycle Manual (concepts and content), the purpose of having a manual plus guidelines, an overview of the Guide to Verification and Validation, and a discussion on the Guide for Needs and Requirements Development and Management (including a discussion on scope and name). We also discussed training material generation and work on domain specific guides. The inputs provided will help us shape our products being released in 2021, thank you!

PLANNED ACTIVITIES AFTER IW

The RWG will continue to hold monthly meetings of speakers or Exchange Cafes. Additionally, the RWG is planning to publish the manual and two guides, update the existing Guide for Writing Requirements, and generate training material in support of this. This year we will also work with domain working groups for development of domain specific guidance. RWG will continue to support the SE Handbook version 5 as well as ensure current material is on the SEBok. We have a busy 2021 ahead - we would love to have volunteers to support!

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PLANNED WORK PRODUCTS AFTER IW

Our work products include:

Publication of the Needs and Requirements Lifecycle Manual, Guide to V&V, and Guide to Requirements (new name soon).

Revision of the Guide for Writing Requirements.

Generation of training videos and content.