



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

Risk Management

www.incose.org/IW2021

CO-CHAIRS

Jack Stein (Independent Consultant)
Robert Parro (River North Solutions)

INCOSE WEB PAGE



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

INCOSE CONNECT ADDRESS



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

Charter Summary



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WG PURPOSE/MISSION

The purpose of the INCOSE Risk Management Working Group (RMWG) is to advance knowledge, common understanding, and quality of practice of risk and opportunity management in the systems engineering community worldwide. Our mission is to develop value-added technical products and participative activities which help INCOSE members effectively and efficiently implement risk and opportunity management.

WG GOAL(S)

The goals and initiatives of the RMWG are to:

- A. Provide a forum for INCOSE risk management practitioners to present research and analysis results, discuss problems, and put forth improvement ideas.
- B. Establish and maintain a process for collecting and consolidating input to be used for updating the INCOSE Handbook risk and opportunity management sections
- C. Generate specific work products for consideration as input to the INCOSE Handbook, SEBoK, International Standards, and others.
- D. Develop and maintain a presentation explaining the benefits of risk and opportunity management, which can be used by members for promoting the application of risk and opportunity management practices.

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WG SCOPE

The RMWG scope includes Risk and Opportunity Management process, methods and tools as they relate to Risk Management within the context of Systems Engineering (SE) throughout the life-cycle.

This framing definition excludes Opportunity Management that would apply to business enterprise or service activities pursued outside the context of Risk Management, and Risk and Opportunity Management outside the context of Systems Engineering (SE).

OUTCOMES (PRODUCTS/SERVICES)

Delivery of INCOSE Handbook updates.

Delivery of standards (i.e., ISO/IEC/IEEE 16085) updates.

Recordings (video and Webinar).

Presentations (e.g., PowerPoint files).

Delivery of presentations (in-person and virtual).



IW OUTCOMES

- 1 - VERY GOOD ATTENDANCE AND INTERPERSONAL ENGAGEMENT - We scheduled 6 meetings, 2 before, 2 during and 2 after the main IW dates: We have held 4 meetings so far with 32 ATTENDEES TOTAL - Most of the attendees have been new faces to the group bringing fresh and diverse perspectives and new ideas,
- 2 - EXCELLENT CROSS-WG INTERACTION (INCLUDING THE MOST CRITICAL) - Risk Management is "cross-cutting" across all systems engineering life cycle process areas. With the publication of ISO/IEC/IEEE 16085:2021 "Systems and software engineering ? Life cycle processes ? Risk management?" a few weeks ago RISK MANAGEMENT IS INTEGRATED with all 30 SE life cycle processes. The Stakeholder Needs and Requirements Definition is also "cross-cutting" across all SE life cycle process. A strong relationship with the REQUIREMENTS (and NEEDS) WG WAS ESTABLISHED during our meetings, We also had interaction with members of the PM-SE Integration WG and will be attending a meeting of this WG.
- 3 - SE Handbook 5th Edition - Through the IW2021 SEH meetings we are fully engaged and connected on the Risk Management Process content.

PLANNED ACTIVITIES AFTER IW

- 1 - Continued support of the SEH 5th Edition project.
- 2 - Education and awareness presentations on the new publication ISO/IEC/IEEE 16085:2021 "Systems and software engineering ? Life cycle processes ? Risk management,?" an elaboration standard augmenting 15288.
- 3 - Coordination with the Requirements (and Needs) WG on topics related to "cross-cutting" (integration) of risk management and requirements/needs definition across all SE life cycle processes and key relevant key INCOSE WGs.
- 4 - Production of one or more professionally produced videos about Risk Management in SE and the activities and benefits of the Risk Management WG.

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PLANNED WORK PRODUCTS AFTER IW

- 1 - Content for the SEH 5th Edition Risk Management Process and related sections.
- 2 - A Risk Management Guide paralleling the Needs and Requirements Manual currently under development has been proposed.
- 3 - One or professionally produced (short) informational videos about Risk Management for SE and the Risk Management WG.
- 4 - Regular "Featured Presentations" at Risk Management WG bi-monthly meetings with 1-2 going on for consideration as internationally promoted INCOSE Webinars.