



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

Agile Systems and Systems Engineering

www.incose.org/IW2020

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CHAIR

Rick Dove (dove@parshift.com)

CO-CHAIRS

Ron Lyells (rlyells@aol.com)

Larri Rosser (Larri_Rosser@raytheon.com)

MEMBERS

About 15 members active with
204 in the WG community

INCOSE CONNECT ADDRESS



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

INCOSE WEB PAGE



www.incose.org/incose-member-resources/working-groups/transformational/agile-systems-se

Charter Summary



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WG PURPOSE/MISSION

This working group's mission is to provide a body of fundamental knowledge which enables systems engineering and engineered systems to operate in environments of caprice, uncertainty, risk, variability, and evolution (CURVE).

WG GOAL(S)

- Necessary and sufficient fundamental concepts for any system or process to be agile.
- Publication of a relevant body of knowledge.
- Contributions to the INCOSE Systems Engineering Handbook.
- Generic Agile Systems Engineering Life Cycle Model fundamentals.
- Informative examples of employed agile-system concepts.
- Socialization of work efforts with papers, tutorials, INSIGHT articles, and Webinars.

WG SCOPE

Show how agile architectural concepts and principles are or might be applied. Examples will avoid prescriptive interpretation and disclosure of organization-specific competitive-advantage differentiation.

IW Outcomes



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IW Outcomes

Reviewed past projects and WG Overview for new people, and reviewed six wip project updates, two opportunities, and four project proposals.

Planned Work past IW



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PLANNED ACTIVITIES

- Collaboration with NDIA on Implementing Continuous Iterative Development.
- Collaboration on FuSE Agility topic with FuSE collaboration community.
- Collaboration with CAB on Agile Transformation Needs.
- Possible collaboration with Social Systems WG.

PLANNED WORK PRODUCTS

- IS20 Presentation Only on Continuous Integration Platform.
- IS20 Paper final completion if accepted.
- Paper on Continuous Integration Platform for submission to TBD.
- Completion of Agile SE Life Cycle Model INCOSE Product.
- FuSE Agile Topic papers TBD.
- Project charter and start for Agile Early Stage Innovative Research & Development Systems Engineering.
- Project charter and start for SE Engagement Metrics on Agile Projects.
- Startup on Agile SE Material for SEBoK.