

INCOSE Chicagoland Chapter

Mini Presentation

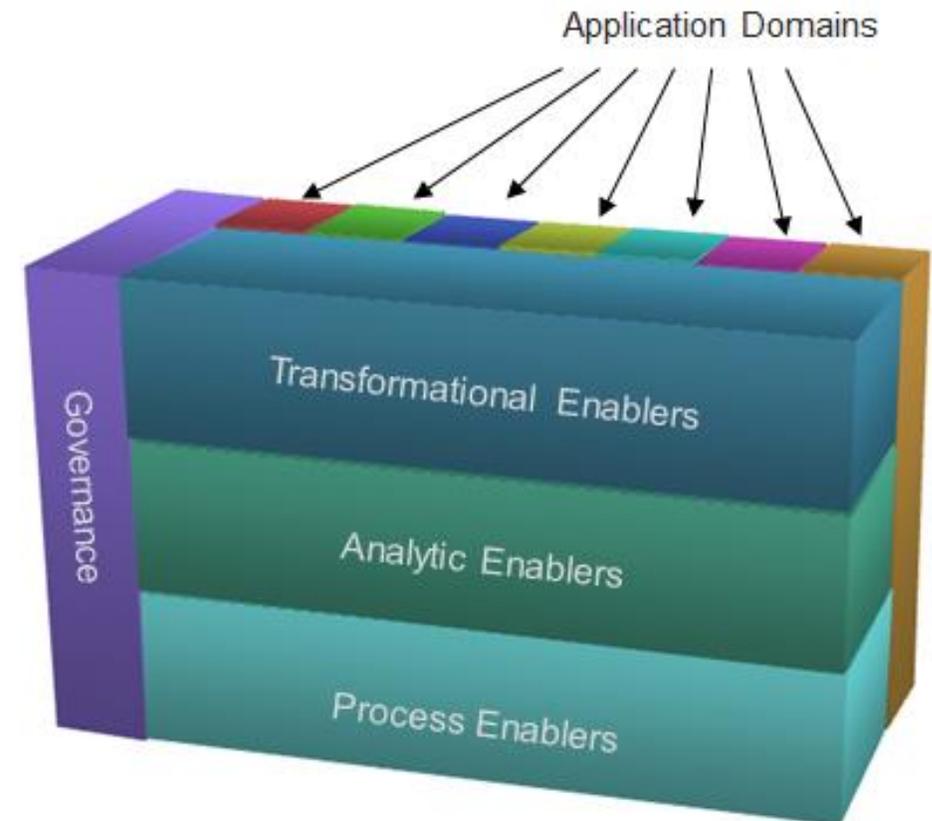
INCOSE System Safety Working Group

20 June 2019

Professional Development

Access to the output of **over 40** INCOSE Working Groups (Google "INCOSE Working Group"):

- Agile SE
- Requirements
- Architecture
- Healthcare
- MBSE Initiative
- SE in Very Small Entities (VSE)
- Product Lines
- **System Safety**



PURPOSE: Safety is an emergent property of a system, dependent on how a system behaves when used, and sustained, in a specific way in a specific environment. Safety management, therefore, should be an integral part of the systems engineering process. Unfortunately, this is not, universally, the case.

The purpose of the INCOSE System Safety Working Group (SSWG) is to accelerate the maturity of the practice of system safety engineering as part of the wider systems engineering practice.

SCOPE: SSWG will address activities relating to best practices for systems safety engineering throughout the systems lifecycle. Including:

- A whole range of system types – including products, services, capabilities and systems of systems
- Practice across multiple sectors
- Perspectives from a range of different players in the supply chain

GOALS:

- Understand the state of the art and state of the practice in system safety management in different sectors and geographies
- Understand the implications of the changing nature of systems from a safety perspective
- Understand the overall relationship and coupling between different players in the supply chain, including regulators, asset owner operators and product/service suppliers
- Identify ways to make the practice more effective, efficient and timely
- Build a network of system safety experts, enabling them to share experience
- Collaborate with related external organizations

Sub Teams Include:

Academic / practitioner exchange: forum for practitioners to share real world issues and academics to share state of the art techniques.

C-suite: Effort to Develop 'C suite' communications on the challenges and opportunities of improved system safety management.

Develop a high-level map of safety management approaches: showing industries, geographies, standards, what should happen, what normally happens and the scope/scale of system safety.

Webinars: co-ordinate System Safety webinars for the benefit of INCOSE members.

World Views: Articulate the different world views in system safety, and safety management (e.g. I comply with the regulations, I build safe products, I ensure safe outcomes).

Current status

SSWG created in Jan 2018

Most teams: are stalled currently.

Next meeting: IS2019

Contact Duncan or Meaghan to join SSWG.

Working Group Co-Chairs



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