



2020

Annual **INCOSE**
international workshop

Torrance, CA, USA

January 25 - 28, 2020

Competency

www.incose.org/IW2020

Competency



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CHAIR

Clifford Whitcomb (cawhitco@nps.edu)

CO-CHAIR

Lori Zipes (lorizipes@gmail.com)

MEMBERS

12 active/contributing
members, 100+ in community

INCOSE CONNECT ADDRESS



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

INCOSE WEB PAGE

Charter Summary



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WG PURPOSE/MISSION

The purpose of the INCOSE Competency Working Group is to improve the practice of Systems Engineering through the development and adoption of competency management approaches. The resulting publications are intended to assist organizations with producing competency models, tailorable to their specific needs.

WG GOAL(S)

The INCOSE SE Competency Framework (ISECF) was developed by this group and published in 2018. In following with the INCOSE UK approach, a companion SE Competency Assessment Guide (ISECAG) is under development. These two publications can be used by organizations to assist with efforts such as: defining SE roles, assessing the competency of individuals, determining needed training, assessing organizational competency needs, and other similar efforts.

WG SCOPE

- Evolve an SE Role-Based Competency Framework that is extensible and tailorable to an organization's needs.
- Create and publish a Competency Assessment Guide based on the ISECF.
- Ensure alignment with existing systems engineering publications, like the SEBoK, ISO-15288, and INCOSE Handbook.
- Ensure integration with other relevant WG products.

IW Outcomes



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IW Outcomes

- Reviewed initial complete draft of INCOSE SE Competency Assessment Guide (ISECAG).
- Determined how to improve the consistency and usability of the Guide by leveraging Bloom's taxonomy language.
- Edited selected sections of existing Guide using this approach and focusing on robust traceability across columns.
- Identified content that should be developed and included in front matter of document (definitions of terms specific to the guide, explanation of document structure, advice for assessors).
- Discussed needed improvements to companion INCOSE SE Competency Framework (ISECF).

Planned Work past IW



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PLANNED ACTIVITIES

Improve and finalize ISECAG within WG team.
Update and revise companion ISECF accordingly.
Ensure external (outside WG team) review of ISECAG and revised ISECF.
Host monthly Globalmeet sessions to ensure forward progress.

Publish ISECAG and revised ISECF by IS 2021.

PLANNED WORK PRODUCTS

INCOSE SECAG final product.
INOCSE SECF version 2.0