



**2019**  
Annual **INCOSE**  
international workshop  
**Torrance, CA, USA**  
January 26 - 29, 2019

# Process Improvement

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[www.incose.org/iw2019](http://www.incose.org/iw2019)

# Process Improvement



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## CHAIRS

Jeff Brown (jeffrey.a.brown4@navy.mil)

John Clark (clarkjo713@gmail.com)

## MEMBERS

5

## INCOSE CONNECT ADDRESS



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

## INCOSE WEB PAGE



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

# Charter Summary



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## WG PURPOSE/MISSION

The purpose of the Process Improvement Working Group (PIWG) is to:

- Identify SE Process improvement opportunities
- Facilitate improvement of the SE Process thru expansion of current SE processes, activities, steps, and practices
- Coordinate SE Process improvement mechanisms throughout INCOSE
- Provide improved SE processes, activities, steps, and practices to INCOSE members

The reason for initiating this Process Improvement WG is because there is no organized SE process improvement method provided to INCOSE members by other members. This Process Improvement WG will provide that opportunity and will support the mission, vision, and goals of INCOSE identified at <http://www.incose.org/about/index.aspx>.

## WG GOAL(S)

The specific goals for the Process Improvement WG are to:

- Capture the purpose, output, and description of the SE Process as identified in ISO/IEC/IEEE 15288, ISO/IEC TR 24748, the INCOSE SE Handbook, and other SE Process sources
- Identify, develop, solicit, coordinate, and schedule proposed improvements for the future SE Process.
- Recommend standardized approaches for SE Process improvement and definition.
- Enhance the WG members' knowledge of process improvement methods.
- Develop an integrated approach for an organization?level strategy for SE Process improvement that would encompass the concept and application of continual improvement of the SE Process tailored to the organization.
- Provide support for the INCOSE Quick Review Process for applications such as maturity models.
- Provide INCOSE representation in Capability Maturity Model Integration (CMMI) administration activities to provide consistent SE Process application.
- Develop or solicit SE Process improvements

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- Solicit SE Process improvement volunteers
  - Provide SE Process improvement as a benefit to INCOSE members
  - Coordinate SE Process improvement throughout INCOSE
  - Provide representatives to other INCOSE WGs to obtain and provide consistent SE Process improvement application
  - [2008 International Workshop SE Process Improvement Summary Presentation](#) Size: 200K
- Contact [SE Process Improvement and Capability Evaluation Working Group](#) for additional information or to join this group.

The vision of the Process Improvement WG is to be the acknowledged leader in advancing the overall continual improvement of the SE Process throughout the SE community. The mission is to:

- Elicit stakeholders' needs and real-world constraints
- Provide direction for continual improvement of the SE process
- Provide value-added SE Process improvements for the SE practitioners of the future.

## WG SCOPE

This Process Improvement WG will address SE Process improvement as it relates to SE throughout the system life-cycle. This effort will be a free volunteer effort provided as a benefit to all members. This effort will exclude identification of actual US DoD projects because of ITAR regulations, copyrighted material unless authorized in writing by the author, and labor financial compensation.

# IW Outcomes



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## IW Outcomes

New WG Chair, Cdr Jeff Brown  
New Co-Chair being recruited  
Four new members attended the WG session

# Planned Work past IW



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## PLANNED ACTIVITIES

- Recruit new Co-Chair
- Conduct monthly telecons
- Determine what processes may need to be improved.
- Review IS2019 paper: "SE Quick Check"

## PLANNED WORK PRODUCTS

- Comments on "SE Quick Check" paper
- Revised Charter
- Ideas for projects
- Draft Technical Project Plan (TPP) for potential project
- Develop and conduct survey using Survey Monkey