



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

# Configuration Management

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

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**MEMBERS**  
40

## CO-CHAIRS

Dale Brown (dalebrown228@gmail.com)

Paul Nelson (Paul.Nelson@ngc.com)

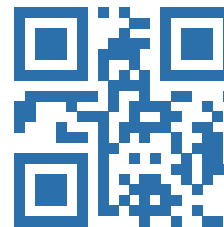
Adriana Dsouza (adriana.dsouza@airbus.com)

## INCOSE CONNECT ADDRESS



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

## INCOSE WEB PAGE



TBD

# Charter Summary



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## WG PURPOSE/MISSION

The main purpose of the Configuration Management Working Group (WG) is to ensure that the state of the art and the body of knowledge in CM be used to enhance the state of the art and the body of knowledge of SE; and vice versa. The CM WG will lead this effort within INCOSE; in liaison with external CM related experts, standardization bodies and other organizations and communities, as appropriate.

## WG GOAL(S)

To grow and fully integrate the CM discipline within SE including all relevant areas of SE (e.g. modeling and simulation based approaches for SoS)

To develop a community of CM-specialists within INCOSE (pool of knowledge) through various efforts.

To promote, encourage, supervise and perform research to extend the CM scope for SE.

## WG SCOPE

This WG will address processes, methods and tools; organizational aspects; business and information requirements; as well as human aspects (competencies) related to CM.

The WG will address the interdependencies between the CM process in accordance with ISO/IEC 15288 including:

- other Technical Management processes;
- Technical Processes;
- Organizational, project-enabling processes.

For IT aspects (like exchange standards, tools and data) collaboration with the WG Tool Integration and Model Lifecycle Management will be established.

Collaboration with other relevant WGs/Initiatives (e.g. related to Requirements, MBSE, Ontology for SE, Digital Artifacts, SoS, etc.) and with external experts and bodies or organizations will be explored and established as appropriate.

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The WG will also reach out to various industries, government and academia to widen their representation within the WG and secure exploration of CM aspects in these different application domains.

Furthermore, the WG will emphasize the supervision and other kinds of pro-active involvement in CM related research projects (including Ph.D. and Master level projects with universities) and report back to this WG on any such planned and on-going research and related outcomes (e.g. related to CM for SoS, MBSE, Software, Industry 4.0, etc.).

The WG will actively participate in reviewing and providing feedback including concrete inputs for the evolution of CM related standards (e.g. SAE 649, ISO 10007) and specifications/guidelines (e.g. CM2-500); and the INCOSE SE Handbook and SEBoK.

Finally, the WG will publish CM related practice and research papers (at conferences and in journals within various communities, e.g. INCOSE, CM2/IpX, CMPIC, IEEE, ITIL...); produce Guide(s) as INCOSE WG Products (e.g. similar to the Requirements WG's 'Guidelines for Writing Textual Requirements'); and continuously collect lessons learned (based on bad CM practice or "horror stories." communicated diplomatically; and good CM practice).

# IW Outcomes



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## IW Outcomes

IW2019 discussions helped define possible work streams for the year:

- better define CM within the SE handbook - next edition
- work product relating to application of CM in VSME
- external standards (649C) support
- Use and utility of the ubiquitous "CM Plan" seen in many CDRLs
- Best Practices for low SE maturity sectors (i.e., Infrastructure & transportation)
- Tools discussion thread - OSLC, PLM, ALM use of CM with a lack of disparate tool integrations

# Planned Work past IW



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## PLANNED ACTIVITIES

Monthly Meetings to keep a heartbeat going  
define some specific deliverables that members can focus on/contribute to  
Possibly do a "paperless presentation" for IS2019

## PLANNED WORK PRODUCTS

New WG - Planning for these specific items is In-Process