



**2021**  
Annual **INCOSE**  
international workshop  
Virtual Event  
January 29 - 31, 2021

# Round Robin topics:

Model Based Capabilities Matrix – Evolution

Model Portfolio Management Guide - Adoption

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# ***Model-Based Capabilities Matrix – Evolution Workshop***

- The Model-Based Capabilities Matrix (MBCM) and User's Guide was INCOSE published in January 2020 and are available from the INCOSE Store
- The materials have been extensively used since late 2018
  - *Extensively used as-is and also tailored by gov't and industry*
  - *Spawned INCOSE – SERC SE Survey, AFMC Digital Campaign “Digital Maturity Metrics” program for the AF, versions adopted by USN and NASA*
- After one year of use with the published versions users have a variety of ideas to use and update the materials
- Partnered with Michael Russell, The MITRE Corporation, a “super user,” to conduct the workshop
- This workshop gathered user input, gather “pro tips” and to determine the need to update the published materials

# Model Portfolio Management Guide



- The Need

- *Currently there is no guide or standard that addresses managing a collection of models*
- *Organizations score low on “Model Management” capabilities when assessed by the INCOSE Model-Based Capabilities Matrix*
- *The SERC SE Survey cited “Model Management” as a significant area of improvement*
- *Acquirers routinely ask for model management work and responding bidders have a range of responses*

- An interim solution

- *The Aerospace Corporation wrote the **“Model Portfolio Management (MPM) Guide” technical operating report TOR-202-01577, cleared for public release** to serve organizations that would like to manage their collection of models and to serve as an solicitation reference document*
- *The TOR was written using the INCOSE style guide for documents*
- *The TOR is already been used as a reference for US government acquisitions*

- Proposed solution

- *INCOSE to consider the MPM Guide TOR as the basis of an INCOSE guide*
- *The draft INCOSE Technical Performance Plan provides an approach to develop the INCOSE guide*

# MPM Guide Adoption Workshop Overview

- Workshop Organizers

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- Misak Zetilyan, The Aerospace Corporation, [misak.zetilyan@aero.org](mailto:misak.zetilyan@aero.org)
- John Nallon, INCOSE, [jfnallon@outlook.com](mailto:jfnallon@outlook.com)

- Workshop Agenda

- Welcome, introductions and logistics Overview of the Tools Integration & Model Lifecycle Management (TIMLM) WG
- Overview of The Aerospace Corporation MPM Guide document Review of Candidate INCOSE Technical Procedure Plan
- Next Steps

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## Model Portfolio Management Guide

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