



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



## **Systems Modeling & Simulation (SMS) Working Group**

SMS Community Meeting #42

01 February 2021

Context for focus team proposal on  
SMS metadata / model characterisation

# Various initiatives working on model characteristics (metadata) related to systems engineering & engineering simulation

## SMSWG interest from IW20 discussions:

- How to characterise SE (systems engineering) and ES (engineering simulation) models together?
- How to harmonise on common and specific sets of metadata across types of models?
- How to join-up common interests and directions across NAFEMS and INCOSE, linking with ASSESS initiative?

## SMSWG focus team? (tbc):

- Peter Coleman, Roger Burkhart, Rod Dreisbach, Eric Landel, Mark Williams + William Schindel, Joe Walsh

## How to collaborate and on what topics?

- Initiate tests & feedback on applications of MoSSEC, MCP and/or MIC?
- Input to mapping MoSSEC-MCP-MIC-others?
- Identify other related initiatives?
- Propose additional metadata/characteristics?
- Focus on specific model types?
- Work on how to implement the ASSESS UMC4ES?
- ...?

## MoSSEC (ISO 10303-243 DIS ballot)

- Adrian Murton, Mark Williams
- <http://www.mossec.org/welcome>

## INCOSE/OMG MBSE patterns WG – MCP - Model Characterisation Pattern

- William Schindel
- <http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns>

## MIC - Model Identity Card

- Eric Landel
- <https://mic.irt-systemx.fr/#/mic>

+ BOE-MIC? - Mark Williams

## Other initiatives / groups?

NAFEMS SDM WG?

## UMC4ES - Unified Model Characterization for Engineering Simulation

## ASSESS launched WG in 2020 - Participants:

Rod Dreisbach, Laura Michalske, William Schindel, Scott Shaw, [Joe Walsh](#)

<https://www.assessinitiative.com/>

## Feature Groups:

- Model Identity and Focus
- Model Scope of Content
- Model Representation
- Model Utility
- Model Confidence/Credibility
- Model Lifecycle Management