



INCOSE UK

MBSE Work Streams

Report to:
MBSE Interest Group Meeting 27th September 2018

Rolls-Royce, Derby

Active Work Streams

Work Stream	Lead	Activity
<p>MBSE and BIM To understand the similarities, differences and relationship (if any) between Model Based Systems Engineering and Building Information Modelling</p>	James Towers	
<p>MBSE Competencies Ensure INCOSE Competency Framework covers skills required for MBSE.</p>	Joe Silmon	Contributors to ASEC 18 Paper: <i>Taking your own advice: using MBSE to implement MBSE in a larger business</i>
<p>MBSE Value Investigation into the 'value proposition' of MBSE.</p>	Joe Silmon	

Closed Work Streams (1/2)

Work Stream	Status	Date
Definitions Periodically review and update MBSE definitions.	Closed – available on the MBSE Wiki (Needs a housekeeper)	2018 March
Languages, Methodologies and Tools Periodically identify, review and update MBSE languages, methodologies and tools.	Closed – Catalogues available on the MBSE Wiki (Needs a housekeeper)	2018 March
MBSE Adoption Produce first release MBSE Adoption Guide; next steps post Z9.	Closed – Adoption Guide delivered to MBSE Wiki (Needs a housekeeper)	2018 June
MBSE Patterns Define useful ‘enabling patterns’ in the style of Holt, Perry & Brownsword.	Closed – Delivered: Certification, Evidence and Traceability Patterns.	2018 September

Closed Work Streams (2/2)

Work Stream	Status	Date
STEM Produce 'model' related STEM activities for STEM Ambassadors.	Closed – Passed back to INCOSE UK to address with SE context. (Need to check accepted)	2018 June
Z9 Guide Update of Z9 What is MBSE v1	Closed – Delivered v2 to INCOSE UK Publications.	2015 March

Work Stream Outputs

Output(s)	Work Stream	Location
<u>Certification Pattern V1.1</u>	<u>MBSE Patterns</u>	<u>INCOSE UK MBSE Wiki</u>
<u>Evidence Pattern V1.0</u>	<u>MBSE Patterns</u>	<u>INCOSE UK MBSE Wiki</u>
<u>MBSE Definitions</u>	<u>Definitions</u>	<u>INCOSE UK MBSE Wiki</u>
<u>MBSE Language Catalogue</u>	<u>Languages, Methodologies and Tools</u>	<u>INCOSE UK MBSE Wiki</u>
<u>MBSE Adoption Guide</u>	<u>MBSE Adoption</u>	<u>INCOSE UK MBSE Wiki</u>
<u>MBSE Tools Catalogue</u>	<u>Languages, Methodologies and Tools</u>	<u>INCOSE UK MBSE Wiki</u>
<u>Traceability Pattern V1.0</u>	<u>MBSE Patterns</u>	<u>INCOSE UK MBSE Wiki</u>
<u>Z9 Guide v2.0</u> <u>What is MBSE</u>	<u>Z9 Guide</u>	<u>INCOSE UK Publications</u>

Residual Work Streams

Work Stream	Status
MBSE and MDA Relationship, MBSE to the OMG Model Driven Architecture (MDA)	Stalled – Insufficient resources
MBSE and PLM Investigation into the similarities, differences and overlaps MBSE and PLM.	Potential
MBSE Survey Run a survey on MBSE adoption in the UK and contrast with previous results.	Potential



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