



INCOSE UK

MBSE Interest Group Meeting

26th March 2019

Frazer-Nash, Bristol



Host

- Chris G. Jones
- Frazer-Nash
- Thank You to Chris and to Frazer-Nash !



Agenda

- 09:30 – 10:30 Welcome, Introductions & Housekeeping – Ian Clark (MBDA)
- 10:30 - 11:30 Information gathering exercise: Strengths & Weaknesses of MBSE – Joe Gregory (University of Bristol)
- 11:30 - 12:30 MBSE in the context of complex safety-case development - FNC
- 12:30 – 13:30 Lunch
- 13:30 – 14:30 The Evaluation Pattern – Stephen Powley (Coventry University)
- 14:30 – 15:15 Overview of INCOSE MBSE resources – Ian Clark (MBDA)
- 15:15– 16:00 Discussion – “Best practices for model review / validation”
- 16:00 – 16:30 AOB & Close



Attendees

Company	First name	Surname
Atkins	Ricky	Kane
Bentley Motors	Alex	Hazle
Coventry University	Stephen	Powley
Frazer-Nash	Chris G	Jones
Frazer-Nash	Oliver	Bullock
Frazer-Nash	Steven	Fletcher
Frazer-Nash	Tom	Searle
Holistem	Julian	Johnson
JLR	Alex	Toth
Martin Baker	Harry	Spreadbury Troy
Martin Baker	Nav	Riarh
Martin Baker	Tim	Clark
MBDA	Ian	Clark
MBDA	Ivan	MacTaggart

Company	First name	Surname
No Magic	Dainius	Jakas
Ocado	Jon	Cashmore
QINETIQ	Neil	Burt
Rolls-Royce	Dave	Banham
Rolls-Royce	Filippo	Farina
Rolls-Royce	Jon	Symons
Rolls-Royce	Matt	Howlett
Scarecrow	James	Towers
Scarecrow	Rob	Behan
Siemens	Anthony	Monaghan
Thales	Andrew	Pemberton
University of Bristol	Joe	Gregory
University of Bristol	Katie	Pugh
ZF	Yike	Fang



Housekeeping

- Fire Alarm – no test planned today
- Toilets



Work Streams

- Active Work Streams
- Work Stream Outputs
- Residual Work Streams

Work Streams

- Active Work Streams

Work Stream	Lead	Activity
MBSE and BIM To understand the similarities, differences and relationship (if any) between Model Based Systems Engineering and Building Information Modelling	James Towers	James maintaining the stream, identifying and engaging with interested parties to confirm next steps.
MBSE Competencies Ensure INCOSE Competency Framework covers skills required for MBSE.	To Be Confirmed (was Joe Silmon)	Contributor to ASEC 18 Paper: <i>Taking your own advice: using MBSE to implement MBSE in a larger business.</i> Joe Silmon, Thales.
MBSE Patterns Identification and production of 'Enabling' Patterns.	Simon Perry	Work underway developing an 'Evaluation Pattern'. An integral part of Stephen Powley's PhD (presentation to follow).
MBSE Value Investigation into the 'value proposition' of MBSE.	To Be Confirmed (was Joe Silmon)	Contributors to ASEC 18 Paper: <i>Taking your own advice: using MBSE to implement MBSE in a larger business.</i> Joe Silmon, Thales.

Work Streams

- 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 What is MBSE</u>	<u>Z9 Guide</u>	<u>INCOSE UK Publications</u>

Work Streams

- 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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