

Title: DOs and DON'Ts of introducing MBSE to your enterprise

Abstract: For over 12 years Shoal has supported organisations in introducing a model-based approaches into their Systems Engineering capability. These organisations have included government agencies, large industry 'primes' and small to medium sized enterprises. Each of these organisations approached the implementation of model-based approaches with a different level of maturity and with different desired outcomes. In doing so they faced some very similar and some very different challenges. Through Shoal's experience, we have collated a set of lesson learned that should be considered when introducing MBSE into an organisation.

This lightning-round presentation will discuss our thoughts on the priority DOs and DON'Ts for any organisation looking to introduce MBSE into their Systems Engineering capability.

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Brief Bio: Kevin Robinson is Shoal Group's Chief Engineer with a distinguished career in the field of Guided Weapons in both the UK's Ministry of Defence and Australia's Department of Defence. He has made significant contributions to the development of advanced guided weapons through modelling and analysis, research, and leadership of large cross discipline teams.

Throughout his career, Kevin has taken a leadership role in advancing the field of Model-Based Systems Engineering (MBSE) via his publications and contributions to the systems engineering community. He initiated and chaired Australia's first annual MBSE Symposium, formed and chaired INCOSE's Model-Based Conceptual Design Working Group, and has made contributions to INCOSE's Systems Engineering Handbook and related standards. In recognition of these efforts, Kevin was presented with INCOSE's award for his leadership in 2014 and delivered a keynote address to INCOSE's international symposium in 2016.