





BAE SYSTEMS

Design Manufacture and Engineering Managemen

Delivering Total Engineering

Presentation structure



- Research Aim
- Verification and Validation in Complex System
- Emergent behaviour in Systems of Systems
- Current V&V Models
- Proposed V&V Model
- Anticipated research results



Research Aim:

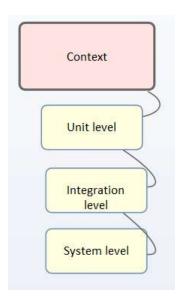


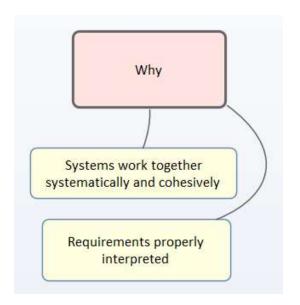
The aim of this research is to develop a Verification and validation model to mitigate emergent behaviour during the conceptual design stage of a Complex System of system (SoS)

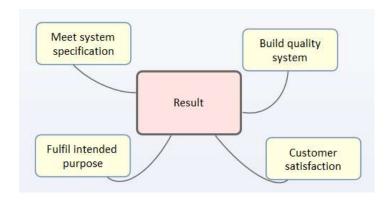








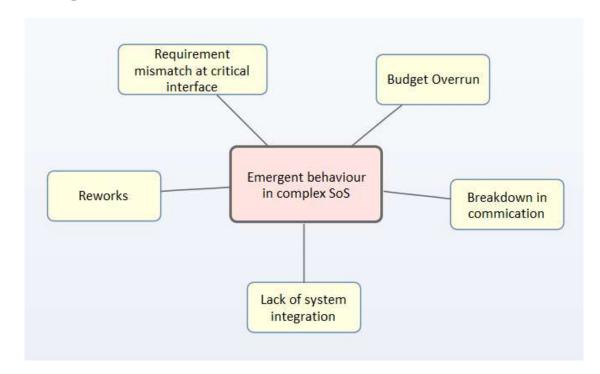






Emergent behaviour in an SoS

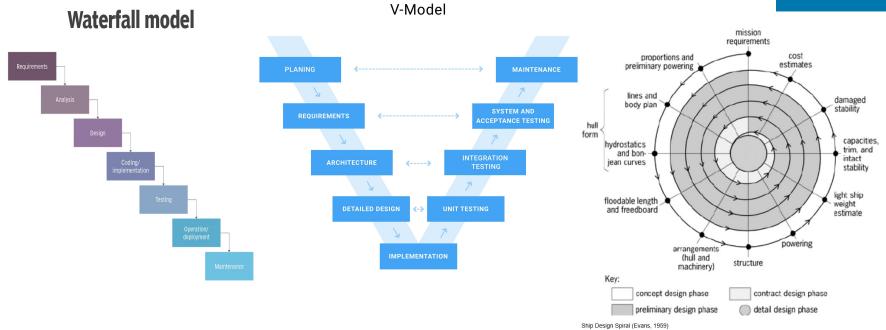






Waterfall model, Vee Model, Design Spiral





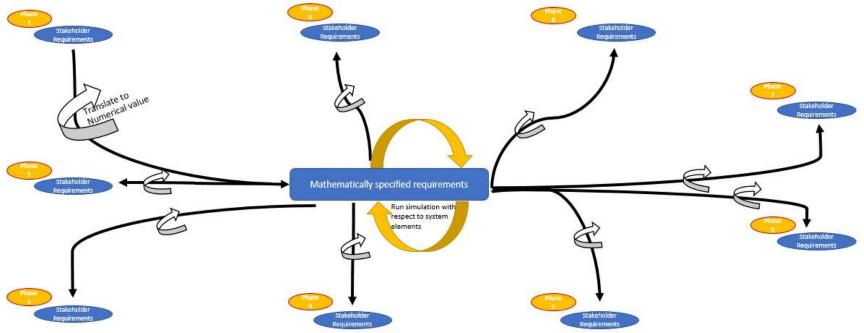










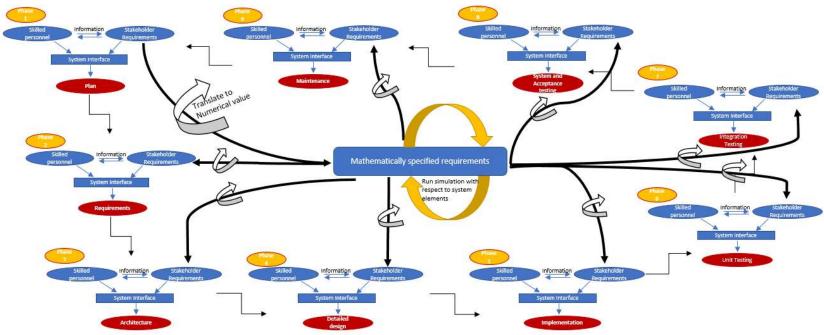


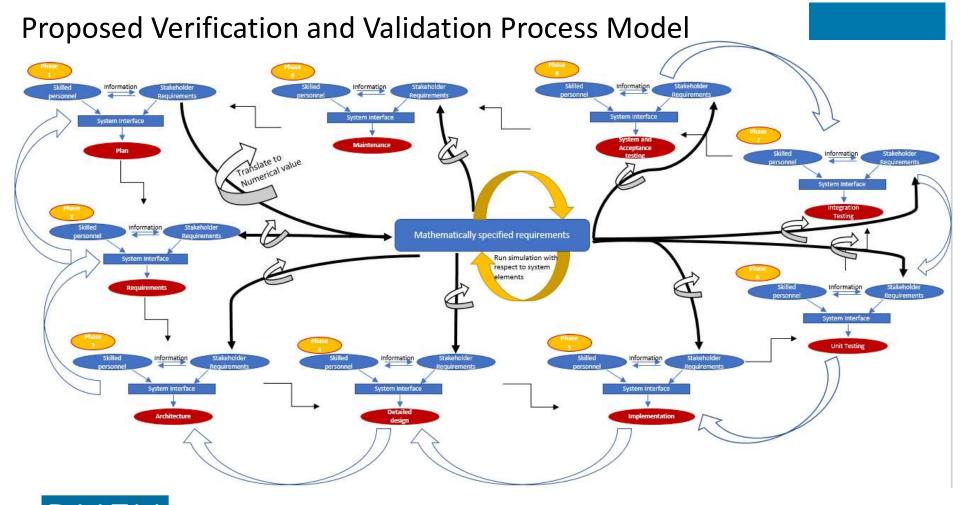














Anticipated Results



