

# Overview

Model-Based Systems Engineering (MBSE) is the formalised application of modelling to support:

- System requirements
- Analysis
- Design
- Verification & Validation

beginning in the conceptual design phase and continuing throughout development and later lifecycle phases. (INCOSE). It contrasts with DBSE Document Based Systems Engineering where the primary artefacts of system engineering activities are documents. Establishing an understanding of, and adoption of, MBSE by individual systems engineers, systems engineering teams and organisations who apply systems engineering are non-trivial. This is an introductory Guide intended to assist individual systems engineers and organisations contemplating or travelling along the path of MBSE adoption. For elaboration of what MBSE is, the reader is referred to the INCOSE UK Z Guide Z9 'Model-Based Systems Engineering'.

## **Why should I adopt MBSE?**

(tbc)

## **What does MBSE mean for my role?**

(tbc)

## **Where (activity area, disciplines level of decomp) do I employ MBSE?**

(tbc)

## **When (temporal e.g. life cycle phase, criteria) should MBSE be employed?**

(tbc)

## **Who else needs to participate in, or will be impacted by the use of, MBSE activities?**

(tbc)

## **How do I make use of MBSE on my project?**

(tbc)

### **Support info**

This leaflet is intended as a working guide to adoption of MBSE. This series of working guides is produced by members of the UK Chapter of INCOSE. For further information, advice and links to helpful websites go to: [www.incoseonline.org.uk](http://www.incoseonline.org.uk) Members can download copies of this leaflet and other Systems Engineering resources online at: [www.incoseonline.org.uk](http://www.incoseonline.org.uk) For more information about the worldwide Systems Engineering professional community, go to: [www.incose.org](http://www.incose.org)