



SCARECROW CONSULTANTS

Mastering Process Modelling

There is more to defining processes than drawing flow-charts. This one- or two-day workshop covers the concepts behind process modelling using Scarecrow's long-established 'seven views' approach. Aimed at anyone who is responsible for the definition of business and engineering processes, the workshop introduces the concepts behind process modelling, discusses the issues with traditional methods and provides, through the 'seven views' approach, a robust, consistent and complete method for process modelling.

Duration: 1 day if taken after our 3 day 'A Model-Based Approach to Systems Engineering' course

2 days if taken after our 1 day 'MBSE for Beginners' course

Introduction to Process Modelling

This section provides a general overview of what we mean by a Process and how this relates Systems Engineering, specifically to MBSE in a slide. The relationship between the Process Set and the Framework is also discussed here.

Process Modelling Concepts

In this module we build up the key Process concepts in the form of an MBSE Ontology. This identifies the key concepts that need to be considered along with the terminology that will be used throughout the course.

The 'seven views' Framework

Base on the Ontology that was introduced in the previous section, a Framework is now created, known commonly as the 'seven views' Framework, that will allow the delegates to fully understand, specify and assess any Process.

Modelling Standards

One of the main applications for Process modelling is that of compliance. This will allow us to demonstrate that our Process Set has a provenance and can be shown to comply with best practice.

Process Mapping

Process Mapping is a key part of compliance, but also can be used to great advantage when mapping between different Ontologies, for example from different organisations, or even within the same organisation.

Workshop

A number of workshops will be run throughout the course to allow delegates to test out their newly-acquired skills.



SCARECROW CONSULTANTS

Target Audience

This course is aimed at anyone who is involved with defining, or has a need to understand, a Process-based approach in an organisation. This includes people involved with: quality assurance, standards, process assessment, audits, compliance and workflow definition. Although the examples used are based on Systems Engineering, the principles taught here can be applied to any type of Process..

Benefits

The benefits of this course are as follows:

- Understand the nature of Processes and how they fit into the bigger picture of MBSE.
- Understand why Processes are such a key part of a wider MBSE approach.
- Understand the key concepts of Processes.
- Learn how these concepts can be implemented in a best-practice Framework.
- Learn how to map between different Processes.

Prerequisites

Delegates must have attended the one-day or three-day Introduction to MBSE course.

Also, delegates without an awareness of the fundamentals of Systems Engineering and modelling are required to watch a number of short Systems Engineering primer videos (total length less than 1 hour) prior to attendance on the course.

Material

Face-to-Face Courses

Delegates receive PDF copies of the course notes, and summary sheets.

Remote Courses

Delegates receive PDF copies of course notes and summary sheets.

More Information

For more information on this course, or any of our other offerings, please contact Scarecrow Consultants Limited using the details above.