



Course Code: 3033
On-Site Learning:
3 Day Course
21 PDU

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BUSINESS ANALYSIS

**Business Process Analysis & Management using BPMN 2.0.
An OCEB2 Prep Course**

What You'll Learn

Successful completion of this training will enable participants to:

- Bridge the communication gap between business and IT
- Create high-level (whole-picture) models that describe an organization's end-to-end processes
- Facilitate adoption/customization of BPM/BPMN/BPMS tools Explore the best practices for using BPMN to model processes
- Develop clear and consistent process models (e.g. scope diagram, process map using ISO standard notation, process diagrams using BPMN, SIPOC with examples) Work effectively with the key stakeholders involved in each process modeling session
- Identify the parts of a process that produce functional requirements for projects that automate processes

ISO Compliance:

The process modeling symbols are compatible with **ISO/IEC 19510:2013 (E)**, **BPMN ver 2.0**, and **UML 2.0**

Who Needs to Attend

Requirements Engineers, (Sr.) Business Analysts, Project Managers; Software / Solution Architects, Quality Managers;



Course Outline

1. Overview & basic concepts

- Models and modeling goals
- Types of processes Process modeling BPMN in Context: BPM & BPMS Comparison with alternative modeling methods (e.g. BPMN vs. UML Activity Diagram for modeling business processes) Examples
- Exercises

2. BPMN notation and types of elements

- BPMN Standard: notation/symbols, syntax, and semantics Work-performing elements: Processes,
- Activities (Tasks/Sub-Tasks) Work-routing elements: Sequence & Message Flow, Gateways
- Work-partitioning elements: Pools & Lanes
- Events
- Data Objects Artifacts Exercises

3. Process analysis & design

- BPMN syntax validation
- BPMN method and style validation Tokens and workflow patterns
- Process optimization
- Exercises

4. BPMN - best practices Common pitfalls & how to avoid them\ Best practices

5. BPMN - Tools

- Whiteboards, sticky-notes Diagramming tools vs. Modeling tools
- BPMN vs. BPMS Commercial & open-source tools Exercises

6. Advanced topics - Process simulations BPMN processes and business rules/decisions

- Event sub-processes Choreography diagrams
- Executable models
- Exercises

7. BPMN - resources IIBA and Process Modeling

- OMG Certified Expert in BPM (OCEB)
- Other certifications
- Resources