

## UML with Enterprise Architect (EA), ISO Training for Process Owners

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Duration: 3 days

### Target Group

Anyone who works with process models and their implementation (such as process owners, quality managers, project leaders, etc.) and must fulfill the process-related parameters of various process models like ISO 9000, SPICE, CMMI or SIL.

### Requirements

Basic understanding of CASE Tools and their operation, as well as knowledge of the process models.

### Contents

- Get to know the most important UML diagram types
- Implementation of analysis with the help of UML in EA using an example project
- Development of a class model from the diagrams created from analysis – domain modelling, OOP modelling
- Forward and reverse engineering (e.g. automated creation of source code in Delphi or C#, as well as extraction of UML diagrams from source code)
- Metrics for quality assurance (overview)
- Relationship matrix
- Diverse process models and development methods
- Preparation of communication on process conformity
- Creation of a data model in EA
- Testing
- Administration of project tasks
- Issue tracking
- Automatic creation of project documentation (HTML, RTF)
- Teamwork in EA
- Use of user-defined patterns
- UML profile
- Data migration from other UML tools (e.g. Together, Rational, etc.)
- Illustration of all topics using practical examples
- Referral to the criteria to be fulfilled in conjunction with process-related parameters.
- Link to the process environments
- Integration of development in the process model (continual improvements and milestones)