

# Software Selection Criteria Schema

This is a list of criteria group and subgroup headings.

## Criteria groups and subgroups

### Supplier-related Requirements

1. Company competitiveness
  - 1.1. Company history and current performance
  - 1.2. Development and maintenance capability
  - 1.3. Quality management
2. Customer interfaces to the supplier
  - 2.1. Technical Support
  - 2.2. Education
    - 2.2.1. Training
    - 2.2.2. Documentation and tutorials

### Functional Requirements

1. Architecture
  - 1.1. Software layers
  - 1.2. Client architecture
  - 1.3. Concurrency
2. Integration with the environment
  - 2.1. BPM Tool APIs
    - 2.1.1. Tool API
    - 2.1.2. Repository API
  - 2.2. Dictionary integration
  - 2.3. CASE Tool integration
3. Repository
  - 3.1. Meta model
  - 3.2. Basic repository object types
    - 3.2.1. User
    - 3.2.2. User group
    - 3.2.3. Business area

- 3.2.4. Process area
- 3.2.5. Process and subprocess
- 3.2.6. Procedure
- 3.2.7. Service level agreement
- 3.2.8. Service interface
- 3.2.9. Use case
- 3.2.10. Design pattern
- 3.3. Extensibility of repository
  
- 4. Process modeling syntax and semantics
  - 4.1. Syntax elements
  - 4.2. Modeling object properties
    - 4.2.1. Process start and end state
    - 4.2.2. Synchronous and asynchronous process call
    - 4.2.3. Activity
    - 4.2.4. Transition
    - 4.2.5. Resource
    - 4.2.6. Role
    - 4.2.7. Role category
    - 4.2.8. Business document
    - 4.2.9. Information exchange description
    - 4.2.10. Business service interface description
    - 4.2.11. Information exchange patterns
    - 4.2.12. Information exchange service level agreements
  
- 5. Modeling tool set
  - 5.1. Extensibility
  - 5.2. Object hierarchy manager
  - 5.3. Pool manager
  - 5.4. Process information capturing editor
  - 5.5. Process modeling editor
    - 5.5.1. Basic functionality
    - 5.5.2. Model split and merge functionality
    - 5.5.3. Import and export
    - 5.5.4. Checking and validation
  - 5.6. Workflow modeling editor
    - 5.6.1. Basic functionality

- 5.6.2. Model split and merge functionality
- 5.6.3. Import and export
- 5.6.4. Checking and validation
- 5.7. Design pattern editor
  - 5.7.1. Basic functionality
  - 5.7.2. Checking and validation
- 5.8. Business rule modeling editor
  - 5.8.1. Basic functionality
  - 5.8.2. Checking and validation
- 5.9. Use Case modeling editor
  - 5.9.1. Basic functionality
  - 5.9.2. Use case scenarios
  - 5.9.3. Checking and validation
- 5.10. High-level map of business processes
  
- 6. Process simulation, analysis and optimization
  - 6.1. Process simulation
    - 6.1.1. Scenario definition
    - 6.1.2. Animated simulation
    - 6.1.3. Reporting
  - 6.2. Activity-based costing (ABC)
  - 6.3. Performance metric analysis
  
- 7. Workflow deployment
  - 7.1. Deployment editor
  - 7.2. Workflow generator and deployer
  
- 8. Administration
  - 8.1. User management
  - 8.2. User group management
    - 8.2.1. Check-in/check-out at process level
    - 8.2.2. Freeze und unfreeze at process level
  - 8.3. Log File Administration
  - 8.4. Repository administration
    - 8.4.1. Repository backup
    - 8.4.2. Repository restore
    - 8.4.3. Manual repository replication

- 8.4.4. Scheduled repository replication
- 8.4.5. Repository synchronization
- 8.5. Repository export and import
  - 8.5.1. Export
  - 8.5.2. Import
- 9. Reporting
  - 9.1. Available reports
  - 9.2. Object selection
  - 9.3. Report generation
  - 9.4. Printing

## Non-functional Requirements

- 1. Compliance with standards and recommendations
  - 1.1. Business collaboration specifications
  - 1.2. Process modeling specifications
- 2. Recoverability
  - 2.1. Repository recoverability
- 3. Portability
  - 3.1. Installability
  - 3.2. Tool and repository portability
- 4. Learnability
  - 4.1. Documentation
  - 4.2. Online help feature