

MOST FREQUENTLY USED BPMN ELEMENTS

Tasks & Subprocesses

- Task**: A Task is an atomic activity within a process flow.
- Manual task**: A task carried out manually by a human performer.
- User task**: A task executed by a human performer (software application assistance).
- Service task**: A task carried out automatically (e.g. via web service).

Further task types

- Business rule task
- Script task
- Receive task
- Send task

Subprocess Types

- Subprocess
- Call Activity
- Transaction
- Event Subprocess
- Ad-hoc Subprocess

Common Markers

- Loop
- Parallel Multi-instance
- Compensation
- Sequential Multi-instance

Gateways

Gateways are used to control the process flow through sequence flows as they converge and diverge within a process.

- Exclusive Gateway (XOR)**: Diverging: it routes the sequence flow to exactly one of the outgoing branches. Converging: it waits for the first incoming branch to complete before activating the outgoing flow.
- Parallel Gateway (AND)**: Diverging: all outgoing branches are activated simultaneously. Converging: it waits for all incoming branches to complete before triggering the outgoing flow.

Further gateway types

- Inclusive Gateway (OR)
- Event-based Gateway
- Complex Gateway
- Exclusive Event-based Gateway (instantiate)
- Parallel Event-based Gateway (instantiate)

Events

An Event is something that "happens" during the course of a process and is either triggered by something external or by the process itself. Events affect the flow of the process. Examples of events are, e.g. a change of a document status or a message which is received or sent.

	Start Events			Intermediate Events				End Events
	Top-Level	Event Subprocess Interrupting	Event Subprocess Non-interrupting	Catching	Throwing	Boundary Interrupting	Boundary Non-interrupting	
Unspecified	●							●
Message	✉	✉	✉	✉	✉	✉	✉	✉
Timer	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚

Unspecified – an unclassified event; as an intermediate event it is able to illustrate a status change and can only be throwing.
Message – illustrates every kind of information exchange between processes and can be catching (receive) or throwing (send).
Timer – acts as a delay mechanism based on a specific point in time or a time period and can only be catching.

Further event types

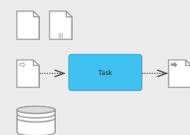
- Condition
- Signal
- Escalation
- Error
- Compensation
- Multiple
- Multiple/Parallel
- Link
- Cancel
- Terminate

Data

A **Data Object** or a **Data Object** that is a **Collection** represents information flowing through the process, such as business documents, emails, letters etc.

A **Data Input** is an external input for the entire process. It can be read by an activity. A **Data Output** is a variable available as result of the entire process.

A **Data Store** is a place where the process can read or write stored data, e.g. a database or a filing cabinet.

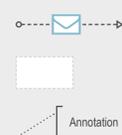


Messages and Artifacts

A **Message Flow** and a **Message** are used to depict the contents of a communication between two participants.

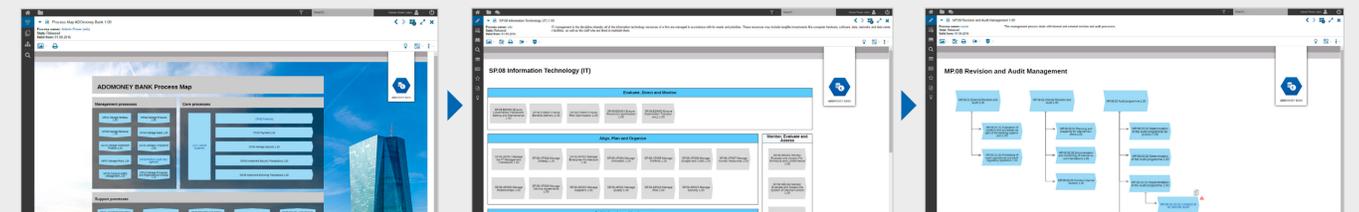
The **Group** object is an artifact that provides a visual mechanism for the grouping of diagram elements that belong in the same category.

Text Annotations are a mechanism for a modeller to provide additional text information for the reader of a diagram.



BPMN FIT FOR BUSINESS WITH ADONIS

Company Maps & Value Chains



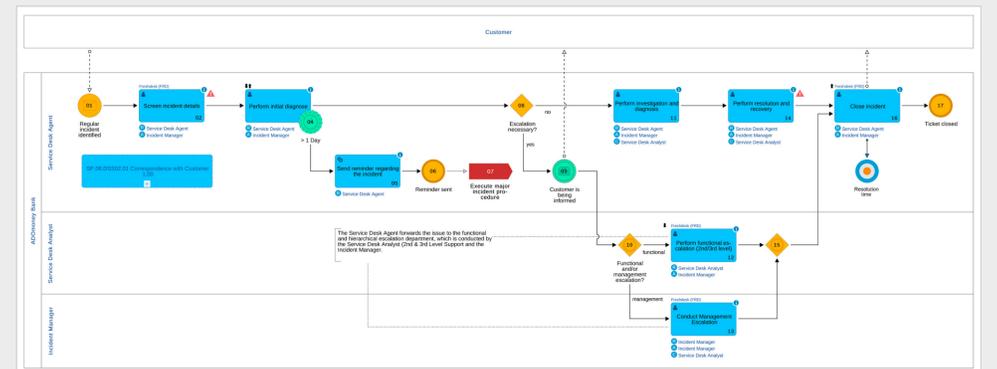
BPMN Diagrams & Views that are fit for business

ADONIS does not only support perfectly the modelling of BPMN processes but provides benefits in:

Creation of Company Maps and Value Chains to blueprint your organization, to identify core, management and support processes, to break down processes into different levels and define ownership or to put your detailed processes into context and provide an agreed structure for them.

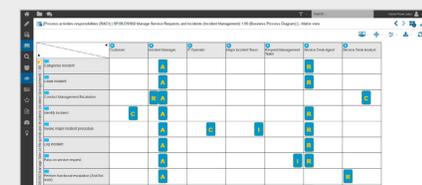
Full BPMN support for defining processes, collaborations, conversation and choreography diagrams through comprehensive support for all BPMN concepts and attributes ("Process Modeling and Choreography Conformance") down to the technical level. ADONIS includes a praxis-proven BPMN DI interface for full roundtrip with workflow/execution engines. BOC Group: An active member of OMG MIWG.

BPMN fit for business by extending BPMN with crucial concepts to support Enterprise Business Process Analysis (EBPA) scenarios and hence allowing BPMN to be used for business-driven scenarios such as QM, DMS, BPA, ICS, GRC, requirements analysis etc. Users are able to define relations to roles, documents, risks, applications and many more and run comprehensive business-driven analysis. In this way, ADONIS offers powerful (graphical) analysis features, supporting business analysis and (digital) transformation.

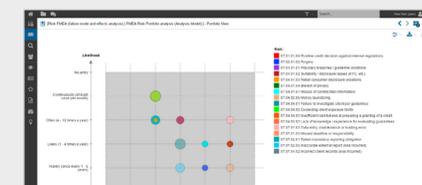


- Responsible
- Accountable
- Consulted
- To inform
- Risk
- Input/Output Data/Document
- Referenced documents
- Key Performance Indicator

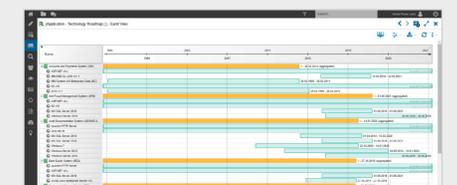
Matrix views to understand correlations



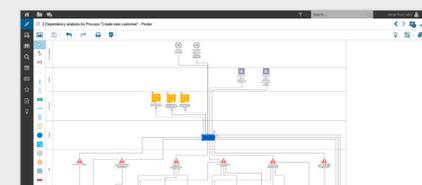
Portfolio charts to assess company assets



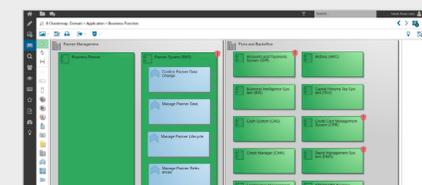
Gantt charts to understand life cycles



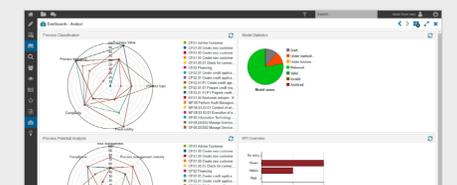
Dependency charts to highlight impact between assets



Cluster maps to visualize nested hierarchies



Dashboards to provide management information



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