Activities

Task

A Task is a unit of work, the job to be performed. When marked with a + symbol it indicates a Sub-Process, an activity that can

Transaction

A Transaction is a set of activities that logically belong together; it might follow a specified transaction protocol.

Event Sub-Process An Event Sub-Process is placed into a Process or Sub-Process. It is activated when its start event gets triggered and can interrupt the higher level process context or run in parallel (noninterrupting) depending on the start event.

Call Activity

A Call Activity is a wrapper for a globally defined Task or Process reused in the current Process. A call to a Process is marked with a + symbol.

Activity Markers

Markers indicate execution behavior of activities:



Sub-Process Marker



Loop Marker



Parallel MI Marker



Sequential MI Marker



Ad Hoc Marker



Compensation Marker

Task Types

Types specify the nature of the action to be performed:



Send Task



Receive Task



User Task







Business Rule Task



કુંટ્રેટે Service Task



Script Task

Sequence Flow



defines the execution order of activities.

Default Flow



is the default branch to be chosen if all other conditions evaluate to false.

Conditional Flow



has a condition assigned that defines whether or not the flow is used.

process instance.



A Data Object represents information flowing through the process, such as business documents, e-mails, or letters.



A Collection Data Object represents a collection of information, e.g., a list of order



A Data Input is an external input for the entire process.A kind of input parameter.



A Data Output is data result of the entire process. A kind of output parameter.

A Data Association is used to associate data

elements to Activities, Processes and Global



Data Store

Tasks. A Data Store is a place where the process can read or write data, e.g., a database or a filing cabinet. It persists beyond the lifetime of the

Conversations



A Conversation defines a set of logically related message exchanges. When marked with a + symbol it indicates a Sub-Conversation, a compound conversation element.



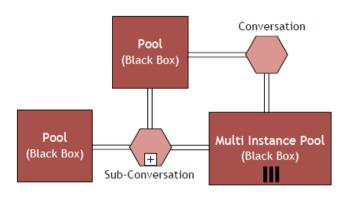
A Call Conversation is a wrapper for a globally defined Conversation or Sub-Conversation. A call to a Sub-conversation is marked with a + symbol.



Por Nate Higgers

A Conversation Link connects Conversations and Participants.

Conversation Diagram



Gateways

Exclusive Gateway





Event-based Gateway



one incoming branch to complete before triggering the outgoing flow. Is always followed by catching events or receive tasks.

When splitting, it routes the sequence flow to exactly

one of the outgoing branches. When merging, it awaits

Sequence flow is routed to the subsequent event/task which happens first.





When used to split the sequence flow, all outgoing branches are activated simultaneously. When merging parallel branches it waits for all incoming branches to complete before triggering the outgoing flow.

instance.



Inclusive Gateway When splitting, one or more branches are activated. All active incoming branches must complete before merging.



Exclusive Event-based Gateway (instantiate)

event starts a new process



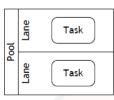
Complex Gateway Complex merging and branching behavior that is not captured by other gateways.



Parallel Event-based Gateway (instantiate)

Each occurrence of a subsequent

The occurrence of all subsequent events starts a new process

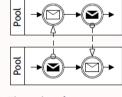


Pools (Participants) and Lanes represent responsibilities for activities in a process. A pool or a lane can be an organization, a role, or a system. Lanes subdivide pools or other lanes hierarchically.

Swimlanes



Message Flow symbolizes information flow across organizational boundaries. Message flow can be attached to pools, activities, or message events. The Message Flow can be decorated with an envelope depicting the content of the message.



The order of message exchanges can be specified by combining message flow and sequence flow.

