Events

An Event in a process is something that happens that affects the sequence or timing of activities in a process, A Task represents work that a company or for example the receipt of a message. There are three main types of Event: Start, Intermediate and End.

Task

organization performs using business processes.

(often using a web service).

times in a Process.

Reference Tasks refer to another

Task and prevent you from having

to duplicate the same Task several

Call a reusable Sub-Process that is

defined outside of the Process.

Gateways

Connections

Sequence Flow

Uncontrolled

Flow

Gateways are a control mechanism for the Sequence Flow in the process. Gateways are used for branching, merging, forking and joining as well as for conditional decisions.

Connections join objects in the diagram. Sequence Flow indicates the

Description

conditions apply.

The basic form of sequence flow where no

flow of the Process between Tasks, Gateways, and Events.

								joining as well as for conditional decisions.			
Event Type	Start Cat		nediate Thr	End ow	Description	Task Type	Description	Gateway		Description	
None				0	No specific trigger for the event (for example, to start the process as a sub-process).	User Task	User Tasks are those that require human interaction with a software application.	Exclusive XOR Data	X	One output Sequence Flow is chosen based on expressions using process data.	
Message					Message is sent to start the process, resume flow or at the end of the process.		Manual Tasks are those that are completed by a person without	Exclusive		One output Sequence Flow is chosen based upon an external event (for example, a JMS	
Timer	(3)	(4)			Event is triggered at a specific date/time or at a regular interval (time cycle).	Manual Task	using software.	XOR Event		message).	
Error				<u>@</u>	Ends a sub-process with an error. On a task boundary, either catches the specified error or any error if no specific error is specified.	Service Task	Service Tasks complete without human interaction (for example, an automatic email notification or a web service).	OR	(Each output Sequence Flow is independently evaluated according to an expression. This means that anywhere	
Cancel				×	Ends a transactional sub-process. On a task boundary, catches the cancel event thrown from within the sub-process.	Script Task	Script Tasks contain a set of instructions to execute.		^	from zero to the maximum output Sequence Flows can be taken.	
Compensation			(1)	(1)	Either throws or catches a call for compensation. Used to process compensating activities for previously executed tasks.		Send Tasks are used to send messages to a system or person	Complex		A Complex Gateway is used to fork or merge depending on complex criteria.	
Conditional					Triggered based on the evaluation of conditions.	Send Task	outside of the Process (often using a web service).	Parallel	1	A Parallel Gateway is used to fork or merge several parallel paths (synchronization).	
Link					Creates a "go to" or "off page connector" to break up a process for better legibility.	Receive Task	Receive Tasks are used to wait for a message from a system or person outside of the Process				
					D		the second secon				

Artifacts

Terminate

Signal

Multiple

Artifacts are u	used to make pro	cesses easier to follow.			C		
Artifact		Description	Consider Sub-house 6	Process that is fully contained in the parent Process.	Conditional Flow	$\diamond \rightarrow$	Defines a conditional process flow between objects.
Data Object	Data Obiect	A Data Object is used for informational purposes to show how a document or other data relates to the Process. It may be associated with flows or flow-related objects.			Default Flow	\	The default flow of process if all other conditions are false.
Group		Groups are used to indicate a relationship between elements of a Process by enclosing them in a dashed line.			Message Flow	0Þ	Indicates the flow of messages between objects in separate Pools or between Pools.
Text Annotation	Text Annotation	Text Annotations explain or clarify the Process. They may be associated with flow or flow-related objects.			Association	····>	Connects flow-related objects with non-flow related objects to make a Process more readable. Also used for specifying a compensation Task for a compensation Event on a Task boundary.
Pool/Lane		A Pool is used as a container for partitioning Processes in ways that make sense for your business. A lane is a subdivision of a Pool.					

Reference Task

Reusable Sub-Process





Broadcasts or catches signals.

Indicates that one of several possible

Ends the process and all activities within

without compensation or error handling.

triggers are to be thrown or caught.