

# Business Process Modelling Standard

|              |                        |
|--------------|------------------------|
| Status       | Approved               |
| Owner        | HELME-ext, Alex        |
| Stakeholders | NARAHARI-ext, Bhargavi |

## Introduction

### Objectives

The main objective of this document is to provide a strong foundation upon which SyWay's Business Process Architecture can be designed, built and maintained. This Standard aims to provide a structured framework of models, objects, elements and attributes that can be used to design a standardised and simplified solution, whilst providing the required information to downstream project teams and end users, both during the project lifecycle and beyond.

### Context

The SyWay project drives the implementation of new business processes across Syensqo's organisation, utilising SAP Signavio to promote simplicity and standardization.

Syensqo implements the BPMN 2.0 process modelling framework in [SAP Signavio](#), utilising a modular hierarchy of process models to create the Syensqo Business Process Architecture, that visually maps how Syensqo's business processes, systems, and data work together to achieve its business goals. The methods by which Syensqo's business processes are modelled are described here and defined as the Business Process Modelling Standard (BPM Standard).

Syensqo's Business Process Architecture is a logical structure of business processes defined in a modular hierarchy. Focusing on good Business Process Management (BPM) leads to a greater, company-wide understanding of how the organisation works together in a continuous flow of value-creating processes.

Syensqo defines a business process as a series of logically linked activities, with a clear beginning and end, as well as clearly defined inputs and outputs. It is therefore a structure for action.

### Scope

These standards apply to all business process models created and maintained in SAP Signavio, including:

- Process landscapes
- Value chains
- Process diagrams (BPMN 2.0)

### Key Restrictions

#### Modelling Restrictions

- The Value Chain model is only to be used for Levels 1 and 2
- The Business Process Model (BPMN 2.0) is only to be used for Levels 3 and 4
- The Collapsed Sub-process object, when used to describe process decomposition, may only be used on a Level 3 process model.

#### SyWay Modelling Conventions

Signavio implements automated modelling convention checks which have been configured to enforce this standard. Checks are triggered upon saving a model. Different levels of output exist, and must be addressed by the person editing a model as follows:

- **Errors must be resolved.** A model cannot be considered complete if Errors are present.
- Warnings should be considered and discussed with BPM team
- Hints should be considered and discussed (with BPM team if requested)

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# Key Design Principles and Guidelines

## Clarity First

- Every model should be immediately understandable to its intended audience
- Avoid unnecessary complexity
- Focus on communicating the process flow clearly

These are important for employees to understand how their work areas interface with others, and enhanced cross-functional collaboration.

## Standardisation

- Use the consistent modelling patterns, symbols, and layouts described in this document.
- Apply the same level of detail for similar processes
- Ensure uniform naming and labelling

Following these principles creates a basis for effective communication between employees in different departments

## Appropriate Detail

- Include only information relevant to the model's purpose
- Maintain consistent levels of detail and granularity within a model
- Create sub-processes for highly repeatable strings of activities within an L4, in order to facilitate ease of legibility and comprehension. See section 3.3.5. Sub-Processes

## Maintainability

- Design imperative models to be easily read and updated
  - Consider separating large and complex processes into smaller Level 4's
  - Do not use "optional" processes and tasks - instead model these as different paths in the process using Gateways.
  - Maintain a neat and orderly layout of objects
- Document modelling decisions and exceptions

| ID   | Design Principle and/or Guideline                                                   |
|------|-------------------------------------------------------------------------------------|
| KDP1 | Clarity - Every model should be immediately understandable to its intended audience |
| KDP2 | Standardisation - Use consistent modelling patterns, symbols, and layouts           |
| KDP3 | Appropriate Detail - Include only information relevant to the model's purpose       |
| KDP4 | Maintainability - Design imperative models to be easily updated                     |

## Key Benefits

- Improved model readability and comprehension
- Consistent process documentation
  - Models can be used as a key foundation upon which training documentation can be built and maintained
- IT Systems are captured through the integration with LeanIX
- Enhanced collaboration across teams
  - Security requirements are captured through the use of swim lanes
  - Risks and Controls are captured and linked appropriately
  - More comprehensive use of automated testing tools
- Simplified model maintenance
- Accelerated onboarding for new modelers
- Efficient process analysis and optimisation
  - Allows for ongoing process improvement long beyond the project lifecycle.

# Modular Business Processes

## Process Model Definition and Usage

The SyWay Business Process Architecture is a structured inventory providing a hierarchical representation of all business processes in scope of the SyWay Project. It describes "what we do".

In Signavio, the Folder Structure provides a vertical list of Processes, a hierarchical decomposition from Level 1 Group Processes e.g. Finance, down to Level 4 Processes containing Level 5 Process Steps. By navigating through the four levels of Processes, one will understand how processes are functionally clustered, including the Process Steps that form the basis of the day-to-day activities.

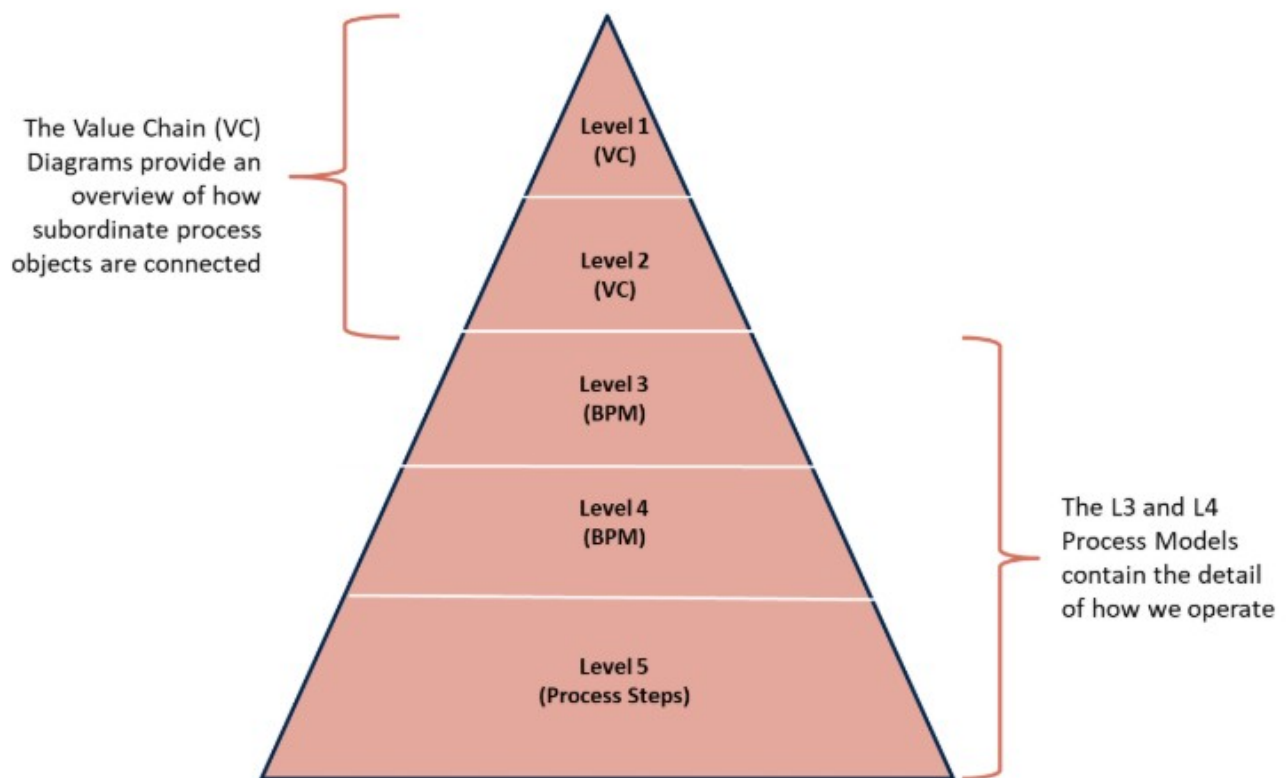
Implementing a well-designed Process Architecture is essential to be able to define and understand integration points between processes, teams and departments.

## Process Decomposition

For an effective enterprise system implementation, it is vital that the lowest level of process decomposition corresponds to Process Steps which are supported by a clearly defined set of Objects and Elements, such as transactions, documentation, systems, roles and more. A Process Step should describe a logical unit of work activity, carried out by one person, that can be measured in terms of time and cost.

The main model types used to describe the levels of the SyWay Process Architecture are:

- Value Chain Diagram at Levels 1 and 2
  - Modelled using the Value Chain
- Business Process Model at Levels 3 and 4
  - Modelled using the Business Process Diagram (BPMN 2.0)



| Level | Description                                                                                                         | Example                    |
|-------|---------------------------------------------------------------------------------------------------------------------|----------------------------|
| 1     | Also known as <b>Process Groups</b> , are composed of subordinate Level 2 Processes, also known as Macro Processes. | 06. Supply Chain           |
| 2     | Represent a group of highly cohesive Level 3 Processes.                                                             | 06.04. Manage Global Trade |

|   |                                                                                                                                                                                                                                                                                                                                                                     |                                                |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
|   |                                                                                                                                                                                                                                                                                                                                                                     | Enterprise Structure                           |
| 3 | Represent a group of Level 4 Processes, which describe activities that are ordered according to their position in time and space.                                                                                                                                                                                                                                   | 06.04.01.<br>Create<br>Administrative<br>Unit  |
| 4 | A <b>Process</b> , modelled as a flow of precise and chronological sequence of Process Steps. This is the foundation upon which the Syensqo Solution is built. They have predecessor and successor relationships to each other and should be modelled as such. The process flow is used to determine scope, boundaries and integration points with other processes. | 06.04.01.01.<br>Assign Plants<br>to Admin Unit |
| 5 | Also known as <b>Process Step</b> : a logical unit of work at the lowest level of business process decomposition, carried out by a person in a defined business Role. Decomposing any further leads to a procedural level. A Process Step achieves a business result and uses data or information as inputs and creates data or information as outputs.             | 06.04.01.01.01<br>0. Select Plant              |

## Signavio Process Manager vs Signavio Collaboration Hub

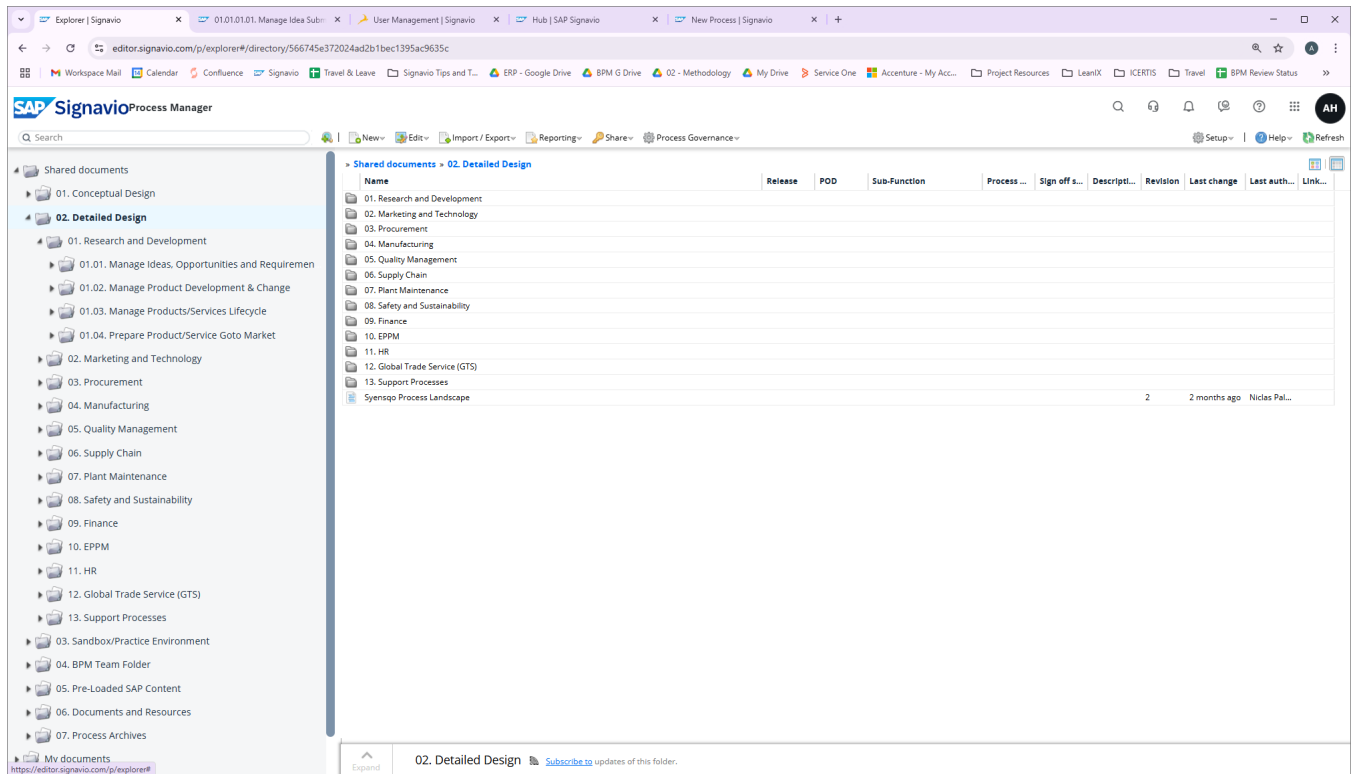
### Signavio Process Manager - Modelling

Signavio is the primary tool used for creating process models via the Quickmodel function, and editing via the BPMN editor.

A folder structure is displayed on the left hand side of the screen, which is used to navigate the Signavio architecture, including the modular, SyWay process decomposition, as described in the section above. The process process models are maintained in the 02.Shared Documents folder.

Revisions of process models can be viewed by expanding the pane at the bottom of the window. Use this functionality to compare different revisions of the same model, to revert back to different revisions, and collaborate on best design.

Predefined reports are available via the reporting tab, and diagrams can be exported or printed in various formats.



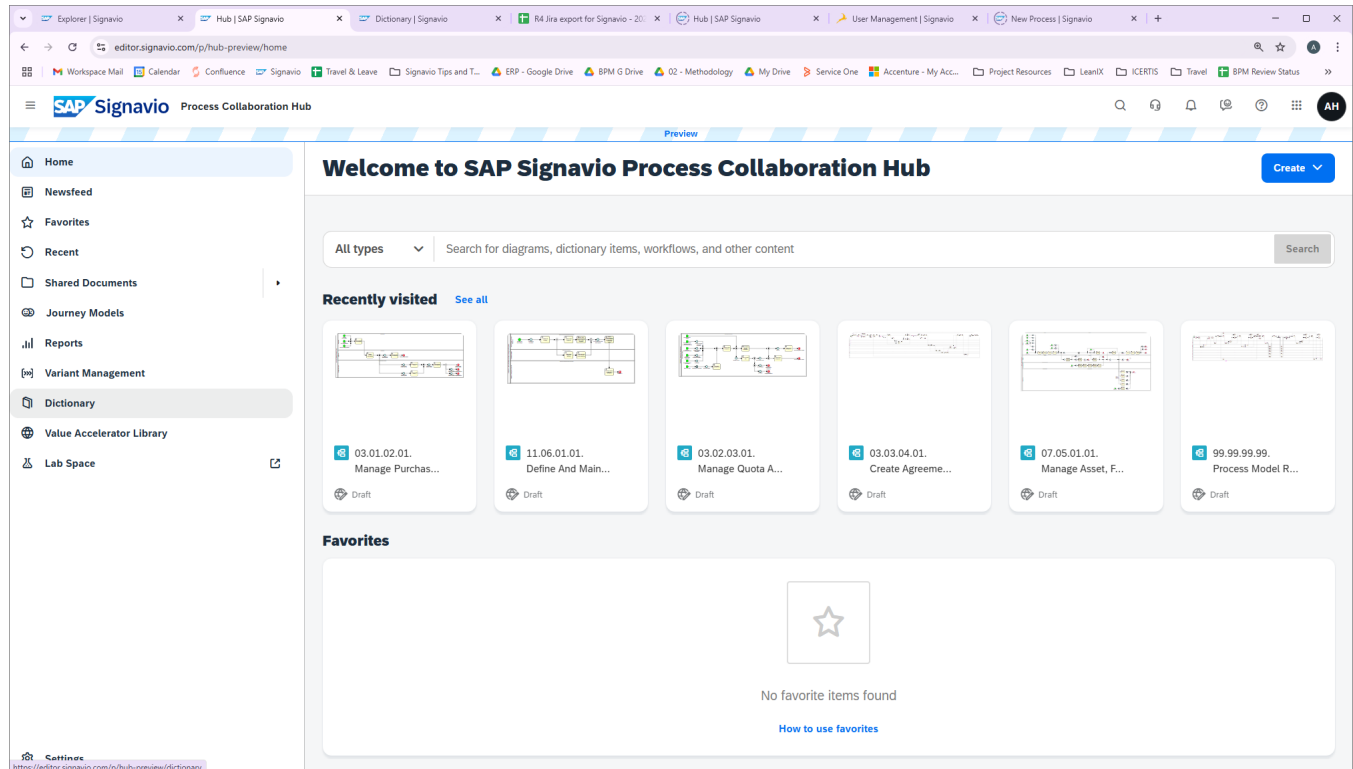
### Signavio Collaboration Hub

Signavio Collaboration Hub is the primary tool for reviewing and sharing process models with a wider audience.

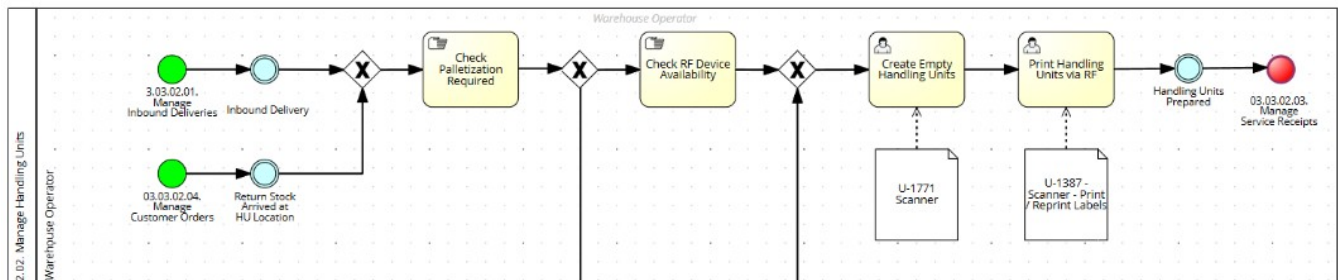
When first launching Collaboration Hub, click your initials in the top right of the screen and select View > Preview to access process models still in the Design phase. The folder structure on the left has tabs for Reports, Favourites, and within Shared Documents, the 02. Detailed Design folder structure seen in the Process Manager view.

Navigate through the folder structure down to level 4, view process models, leave comments for other team members or view Fact Sheets on individual processes for review and learning.

The same Predefined reports are available via the Reports tab, and diagrams and fact sheets can be exported or printed in various formats.



## Modelling Standards



## SyWay Signavio Modelling Convention Checks

A modelling convention consists of modelling guidelines regarding notation, labelling, process structure and diagram layout. The modelling convention check can be run manually whilst modelling and by default, will always run upon saving changes to a model.

Click the **Review** button when saving changes to open a pop-up window in which you can highlight each Error, Warning and Hint provided. All errors must be resolved prior to sign-off.

A Modelling Convention Report can also be run on one or multiple models in the explorer, containing a summary of SyWay modelling convention violations.

## General Layout

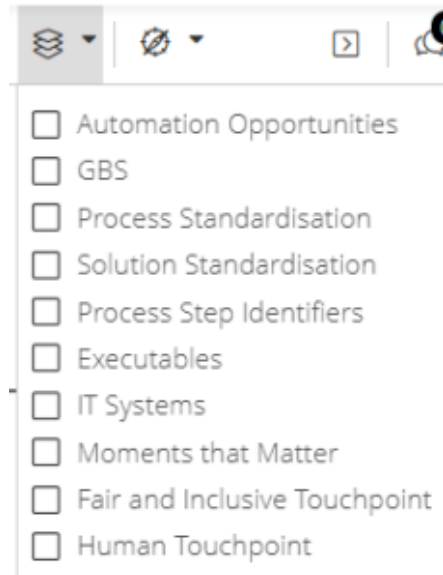
- Models flow from left to right, top to bottom.
  - One should be able to sense the passage of time from left to right
  - Model parallel paths one above the other
- Maintain consistent spacing between elements
- Avoid overlapping elements and connection lines
- Avoid crossing sequence flows wherever possible

- Align elements horizontally and vertically where logical

## Overlays

Overlays are created to display different layers of information when viewing a process model. Look for the icon in the top right of the process model window to toggle overlays on and off.

Depending on the size of your window, you may have to click the chevron first to display the remaining ions.



## Model Size

Large processes may be candidates for separation into two (or more) smaller level 4 processes.

## Value Chain Object & Element Usage

Value Chains are a visual repository of subordinate processes, arranged sequentially, using the Collapsed Process object. No connections are required between these objects.

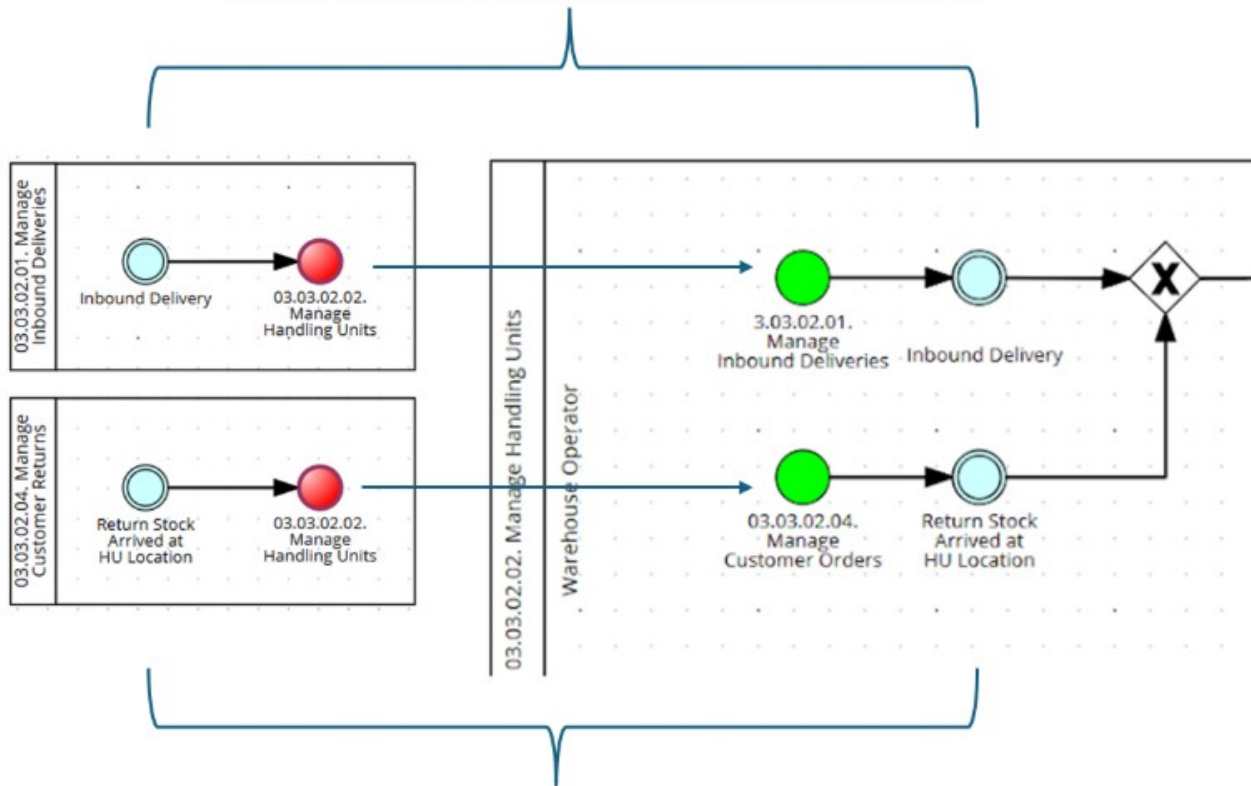
## BPMN Object & Element Usage

The usage of the various structural objects and elements available in the SyWay Business Process Architecture, as set out in this Standard, is enforced by Signavio configuration and governed by the SyWay Signavio Modelling Convention checks.

## Events

- **Start events:** Always begin a process with a labelled start event
  - Assign preceding process to Start Events via the Custom Attribute "*preceding process*"
  - Rename event to match the name of the preceding process
- **End events:** Always end a process with at least one labelled end event
  - Assign subsequent process to End Events via the Custom Attribute "*subsequent process*"
  - Rename event to match the name of the subsequent process
- **Intermediate events:** Use to model process integration
  - Every Start and End event must be paired with an Intermediate event
  - The final Intermediate event in a process must match the first Intermediate event in the subsequent process
    - See example below

**Inbound Delivery** is the final Intermediate event in the first process and becomes the starting intermediate event in the subsequent process



**Return Stock Arrived at HU Location** is the final Intermediate event in the first process and becomes the starting intermediate event in the subsequent process

## Process Steps

- Process Steps should not be copied between process models, as each must be assigned a unique Level 5 identifier which assigns it to a single Level 4 process.
- Multiple process steps may be assigned to the same Process Step object in the Dictionary.
  - The Signavio Key Users and BPM team maintain the Process Step Dictionary category to remove duplicates and align the objects with this Standard.
- Use task types appropriately:
  - A **User task** is used to depict a single action which is performed by a User accessing an application or system (e.g. SAP).



- A **Manual task** is used to depict a single action which is performed manually. It is expected to be performed without the aid of any system or application.



- A **Service task** is an automated action that starts automatically when the sequence flow arrives. If any User involvement is required, it should be a User task.



- A **Script task** is used to depict an automated action for which there is no Executable e.g. it is part of Config.



## Gateways

- Gateways can be *either one in, many out* (diverging), or *many in, one out* (converging), but *never* both.
- Only the following Gateway types are to be used:
  - Exclusive gateway (XOR): Only one path is chosen



- Inclusive gateway (OR): One or more paths are chosen

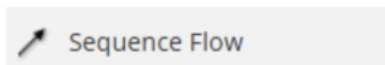


- Parallel gateway (AND): All paths are executed simultaneously



## Connectors

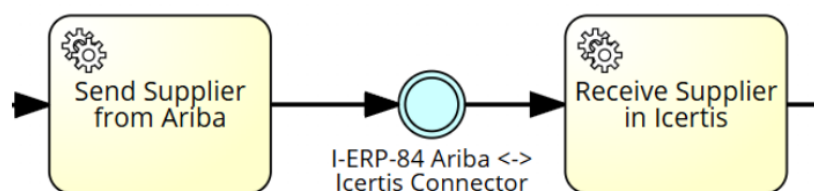
- Use sequence flows (the default connection type) for the normal flow within a pool



- Use the different Association connectors to connect Data Objects to process steps, making use of the different directions to describe the nature of their relationships, for example, describing whether a document is an *input to*, or an *output of* a process step.
  - Avoid using data objects and associations unless data flow is critical to understanding

## System Interfaces

- System Interfaces are used and referenced directly in the course of a process.
- They are modelled using an **Intermediate Event** between two **Process Steps**
- The systems assigned to the "sending" and "receiving" process steps must match the systems maintained in the sending and receiving



system attributes of the event

- If multiple Build cards are assigned to an interface, *all* must be assigned to the relevant process steps.
- Interfaces are captured as part of the Custom Development Register in Jira
- If the Interface you wish to model is not available, please contact either [Alex Helme](#) or [Niclas Palmstroemer](#)

## Executables (Fiori Apps, T-codes, URLs, Programs, etc.)

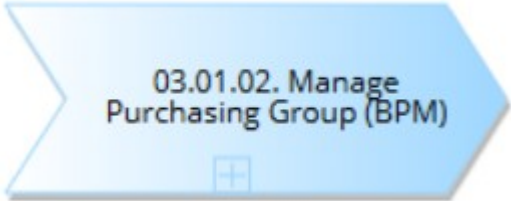
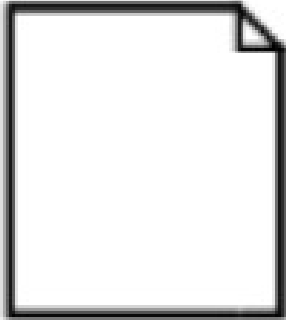
- Executables are objects that are run to execute a specific task. They fulfill process steps, and can be one of the following:
  - Fiori Apps
    - Loaded from the relevant SAP Fiori Catalogue
    - May execute GUI transactions (t-codes) in the background
    - Any Executables not included in the SAP Fiori catalogue must be approved by the Integration Lead, Bhargavi Narahari
  - URL (SaaS)
  - Program
- Assign Executables to process steps via either of the two Custom attributes "Primary Executable", or "Associated Executable"
  - It is the executable that is always required to perform the step.
    - Only one executable can be assigned to the Primary Executable field.
  - Associated Executables include apps executed in the background, drill down apps, display apps, any other secondary apps that can be triggered in the execution of the assigned process step.
    - Multiple Associated Executables can be added

## Object Details & Creation

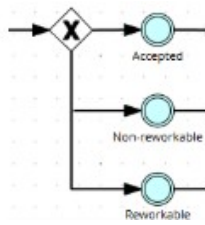
| Object                      | Definition                                                                                                                                                                                                                                                                                                             | Creation method<br><br><i>Via tool dialog entry and/or on a specific diagram type.</i>                                                                                                                                                                                                                                                                                                                         | Appearance on Process Diagram?                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Lane<br/>(Swim Lane)</b> | <p>A Lane is a sub-partition in a BPMN Pool. It is used to represent a logical grouping of process steps, executed by a given Business Role.</p> <p><b>Therefore, Swimlanes represent the Process Role executing the steps.</b></p> <p>Automated / System steps (Service Tasks, Script Tasks) may sit in any Lane.</p> | <p>On a Process Diagram, click the Lane object symbol and pick an existing Lane (from "Available Lanes").</p> <p><b>Ensure you check the List of Available Lanes before creating a new one.</b></p> <p>The tool also allows the creation of a new Lane from the "Available Lanes" section. Once created this new Lane is added to the "Available Lanes" section and is ready to be picked for the diagram.</p> |  |

| Object              | Definition                                                                                                                                                                                                            | Creation method<br><br><i>Via tool dialog entry and/or on a specific diagram type.</i>                                                                                                                                    | Appearance on Process Diagram?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Process Step</b> | <p>A logical unit of work, transactional in nature, to be executed in order to complete a process.</p> <p>At least one Executable must be assigned to each Process Step (of type <b>User</b> or <b>Service</b> ).</p> | <p>Process Steps should be created in the Level 4 process in which they are executed .</p> <p>Process Steps must not be re-used as they are to be assigned a unique Identifier as part of their mandatory attributes.</p> | <p>There are only four Task types allowed. Note the different icons in the top-left of the Objects:</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <span style="margin-right: 10px;">A User task</span>  </div> <div style="display: flex; align-items: center;"> <span style="margin-right: 10px;">A Manual task</span>  </div> </div> |

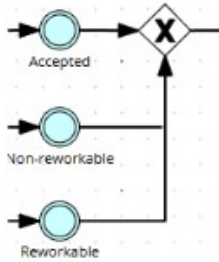
|  |  |  |                                                                                                       |
|--|--|--|-------------------------------------------------------------------------------------------------------|
|  |  |  | <br>A Service task |
|  |  |  | <br>A Script Task  |

| Object                   | Definition                                                                                                                                                                                                                                                                                                                                         | Creation method<br><i>Via tool dialog entry and/or on a specific diagram type.</i>                                                                                                                                                                               | Appearance on Process Diagram?                                                       |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Collapsed Process</b> | <p>A collapsed process represents a business process that is linked to another process model.</p> <p>Used to represent Level 2 and Level 3 processes on Level 1 and Level 2 Value Chain models.</p>                                                                                                                                                | <p>On a Value Chain model, click and drag the Collapsed Process symbol onto the model.</p> <p>Click the plus icon on the object to link it to another model.</p>                                                                                                 |    |
| <b>Data Object</b>       | <p>Modelling objects used to represent input or output documents, or Custom Developments with the exception of Interfaces (see <b>System Integration</b> section of this table below).</p> <p>These are not technical objects with attributes, therefore Custom Dev objects must still also be assigned to the relevant Process Step attribute</p> | <p>On a Process Diagram, click and drag the Data Object symbol onto the model and type the identifier of the custom development you require. Once the custom development Dictionary has been populated, you can select the appropriate object from the list.</p> |  |

| Object         | Definition                                                                                                                                                                                                                                         | Creation method<br><i>Via tool dialog entry and/or on a specific diagram type.</i>                                                       | Appearance on Process Diagram?                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gateway</b> | <p>Gateways are used to control how Process Steps and flows interact as they converge and diverge within a Process.</p> <p>Gateways must follow one of the following rules:</p> <ul style="list-style-type: none"> <li>One in, many out</li> </ul> | <p>On a Process Diagram:</p> <ul style="list-style-type: none"> <li>Select the correct Gateway symbol from the Shapes window.</li> </ul> | <p>There are 3 types of gateways allowed by this standard:</p> <p><b>Exclusive</b> gateway is used to create alternative paths within a process flow. Only one path is taken.</p> <p><b>Inclusive</b> gateway creates alternative paths which are <b>not</b> mutually exclusive. One or many of the paths can be executed.</p> <p><b>Parallel</b> gateway is used to create parallel flows. Each path is executed simultaneously.</p> |



- Many in, one out



- Only three types are available for use:
  - Exclusive
  - Inclusive
  - Parallel

To change the type:

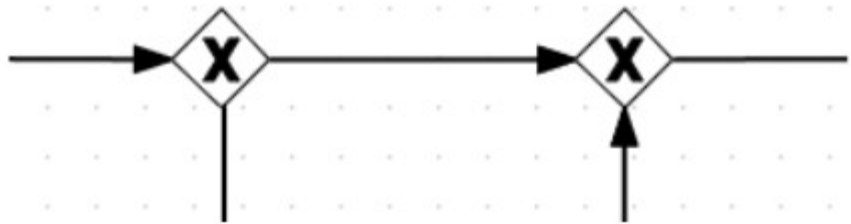
- Left-click the Gateway
- Click the "Types" icon to the bottom-left of the gateway



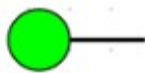
- Select the desired type from the list, ensuring it is one of the three types allowed

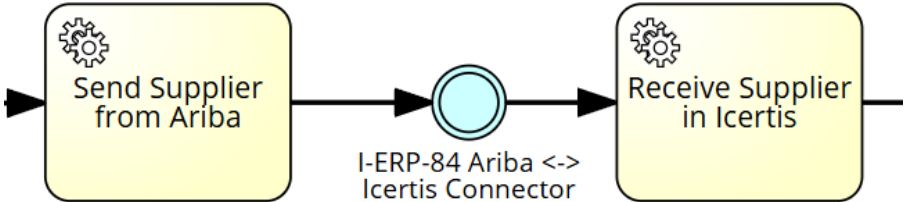
One in, many Out

Many in, one Out



| Object | Definition                                                                                                                                                                | Creation method                                                                                                                                                                                                                                                                                                                          | Appearance on Process Diagram?                                                                                                                      |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Event  | An event is something that occurs during a Process. These events affect the flow of the diagram and usually represent a cause (trigger) or an impact (result) or outcome. | <p>Via tool dialog entry and/or on a specific diagram type.</p> <p>On a Process Diagram:</p> <ul style="list-style-type: none"> <li>• Select the desired Event type from the symbols pallet               <ul style="list-style-type: none"> <li>◦ Start Event</li> <li>◦ End Event</li> <li>◦ Intermediate Event</li> </ul> </li> </ul> | <p>There are four types of events allowed by this standard:</p> <p><b>Start events</b> are green and are used to depict the start of a process.</p> |

|                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>In Signavio, Message Events are also used to document <b>System Interfaces</b> between Process Steps. See the Interface section below, in this table.</p> |  | <p>◦ Intermediate Timer Event</p> <p>To change the type:</p> <ul style="list-style-type: none"> <li>• Left-click the Event</li> <li>• Click the “Types” icon to the bottom-left of the event</li> </ul>  <ul style="list-style-type: none"> <li>• Select the desired Event type.</li> <li>• Only the four Intermediate Event types detailed here are allowed by the standard.</li> </ul> | <div>  <p>3.03.02.01.<br/>Manage<br/>Inbound Deliveries</p> </div> <p><b>End events</b> are red and are used to depict the end of a process.</p> <div>  <p>03.03.02.03.<br/>Manage<br/>Service Receipts</p> </div> <p><b>Intermediate Events</b> are blue and can be used to depict an important event resulting from a process step within the process flow, and more commonly are used to model process integration. They are also used to model system interfaces (see next page).</p> <div>  <p>Return Stock<br/>Arrived at<br/>HU Location</p> </div> <p><b>Intermediate Timer Events</b> (found in the “<b>Catching Intermediate Events</b>” section) are blue and are used to depict the passage of time</p> <div>  <p>No Communication<br/>Received for 7 Days</p> </div> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Object                                              | Definition                                                                                                                                                                                         | Creation method                                                                                                                                                                                                                                                                                                                                                 | Appearance on Process Diagram?                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>System Interface (Intermediate Event)</b></p> | <p>Represent an interface <b>between two Systems</b>.</p> <p>Interfaces are maintained centrally in the Dictionary and can be inserted between two process steps using an Intermediate event..</p> | <p>On a Process Diagram, add an Intermediate Event between two process steps:</p> <p>Both steps must have the correct System assigned as part of their mandatory attributes</p> <p>Once the Interface Dictionary has been populated, you can select the appropriate object from the list.</p> <p>If the Interface you wish to use is not available from the</p> |  <pre> graph LR     A[Send Supplier from Ariba] --&gt; B((I-ERP-84 Ariba &lt;-&gt; Icertis Connector))     B --&gt; C[Receive Supplier in Icertis] </pre> |

|                                               |                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               |                                                                                                                                                                                                | Dictionary, please contact either <a href="#">Alex Helme</a> or <a href="#">Niclas Palmstroemer</a>                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Executables (Fiori Apps &amp; T-codes)</b> | <p>Executables are objects which fulfill process steps, and can be one of the following:</p> <ul style="list-style-type: none"> <li>Fiori Apps</li> <li>URL (SaaS)</li> <li>Program</li> </ul> | <p>Assign to an L5 Process Step via the Custom Attributes "Primary Executable" and "Associated Executable".</p> <p>Once the Executable Dictionary is populated, you may select the appropriate object from the drop-down.</p> <p>If the Executable you wish to use is not available, you can create it as an "Executable Suggestion" - these are periodically reviewed and triaged.</p> | <div> <div>Custom Attributes</div> <div> <div>Identifier</div> <div>IT System</div> <div>Executable</div> <div>Related documents</div> <div>GBS <input type="checkbox"/></div> <div>Process Standardisation <input type="checkbox"/></div> <div>Solution Standardisation <input type="checkbox"/></div> <div>Automation <input type="checkbox"/></div> <div>Batch Job <input type="checkbox"/></div> <div>Batch Job ID</div> <div>Risk</div> <div>Accountable</div> <div>Consulted</div> <div>Informed</div> </div> </div> |

## Naming Standards

### Process Names

- Use verb-noun format (e.g., "Process Invoice" rather than "Invoice Processing")
- The identifier should be before the name in the correct format (full stop at the end of the identifier then a space before the name e.g. 04.01.01.01. Process Invoice)
- Be specific and descriptive
- Capitalise the first letter of each word (e.g., "Approve Customer Order")
- Avoid acronyms in titles unless universally understood

### Process Step Names

- Use verb-noun format (e.g., "Enter Customer Data")
- Be concise but descriptive (5 words or less when possible)
- Use sentence case (e.g., "Review credit application")
- Avoid technical jargon unless required for clarity

### Event Labels

- Use past tense for events that have occurred (e.g., "Invoice received")
- Use to describe multiple outcomes of a process step
- Use descriptive language (e.g., "Payment deadline reached" rather than "Timeout")
- When used in process integration, the intermediate event should describe the outcome of the final step or steps. It is then copied to the beginning to the next process, where it becomes a starting condition for a path in that process.
- Keep labels concise but clear.

## Model Organisation

## The Folder Structure

In Signavio, the Folder Structure provides a vertical list of Processes, a hierarchical decomposition from Level 1 Group Processes e.g. Finance, down to Level 4 Processes comprising Level 5 Process Steps.

By navigating through the four levels of Process, you will understand how processes are functionally clustered, including the Process Steps that form the basis of our day-to-day activities.

- The Folder Structure is organised by process stream and then decomposed by logical process category
- It is consistent across the organisation.
  - **Changes to the folder structure can only be made by the BPM members of the Integration team. Please contact either [Alex Helme](#) or [Niclas Palmstroemer](#)**
- Clear naming patterns are to be used for processes and process steps.
  - Verb-noun format

## Revisions

- Whenever changes to a model are saved, a new Revision is created.
  - Use the Activity Feed to review and compare Revisions, add comments, and revert to previous versions
- Subscribe to a model or folder to receive notifications when a change is made
- Document significant changes in the model description, including reasons for change if necessary.

## Links and Relationships

- Create links between related models via process integration
- Use glossary terms to ensure consistent terminology.

## Documentation Standards

### Process Model Metadata

Mandatory Attributes for all Level 3 & 4 Process Models. Mandatory attributes are **highlighted**:

- **Custom** Attributes:
  - **Sign off Status**
  - **POD**
  - **Process owner**
  - **Release**
  - **Sub Function**
- **Main** Attributes:
  - **Name (must match the Folder Name)**
  - **Documentation (Description)**

### Process Step Metadata

Attributes for Level 5 Process Steps are separated into Custom and Main attributes. Mandatory attributes are **highlighted**:

#### Custom Attributes:

- **Identifier**
  - The numerical identifier is used to make sure that the process or process step in the SyWay Process Architecture can be easily recognised
  - The L5 section of the identifier must be 3 digits, e.g. 06.04.02.01. **010**.
  - The identifier must end in a full stop.
  - Identifier



- Related Documents
  - Assign relevant documentation to this field
  - Config. Guides
  - Functional Specs
  - Technical Specs
  - Input and output documents e.g. Reports
  - Kinaxis Work Instructions

#### IT Attributes

- IT System (**mandatory for User, Service and Script Tasks only**)
- Mobile Device
  - Check this box if the step is executed on mobile.
  - NOTE: if a step can be performed both on mobile and computer, two process steps are required, one for each.
- Primary Executable (**mandatory for User Tasks**)
  - Select from the list provided
  - Only one Primary Executable per step
- Associated Executable
  - Select from the list provided
  - Multiple Associated Executables can be assigned
- Batch Job
  - Select from the list provided
- Custom Development
  - Select from the list provided

#### SSA Custom Attributes

- **System Standard**
  - Mark this as 'Yes' if the task executed by this process step uses standard functional capabilities of the tool or platform (every L5 step that is a system step that does not have an associated custom development according to the [custom development counting rules](#)).
- **Syensqo Standard**
  - Mark this as 'Yes' if the task executed by this process step is a single or standardized business process step applied across all GBU's/functions (every L5 that is not GBU or function specific), even if this is not a system-standard task.
- **Automation**
  - Check this box if the task executed by this process step is, or could be, automated in some way, for example, an interface replacing manual tasks; SAP tasks replaced by an automated workflow, batch jobs, AI, RPA, Machine learning, etc.
- **GBS**
  - Mark this as 'Yes' if the task executed by this process step is, or could be, performed by GBS/Share Services.

#### Process Controls Custom Attributes

- **Process Control**
  - Mark this as 'Yes' if the Process Step is a process control, No if not. **If Yes, all subsequent Process Control Custom attributes are mandatory.**
- Control Description
  - free text attribute to describe the control
- Control Execution
  - select from Automated, Semi-Automated, or Manual
- Control Type
  - select from Detective, Preventative, or Corrective
- Control Frequency
  - select from a range of frequency options
- Risk Type 1, 2, & 3
  - Use these to select up to 3 Risk types mitigated by the control

#### OCM Custom Attributes

- As Is
  - Select whether the process step remains unchanged from the current solution or not.

#### HR Custom Attributes:

- Moment that Matters
- Fair and Inclusive Touchpoint
- Human Touchpoint

#### Finance Custom Attributes:

- SOX-relevant

#### Main Attributes:

- **Name**
  - Use verb-noun format (e.g., "Enter Customer Data")
- **Documentation** (Detailed Description)
  - Describe what the process step is doing.
- **Task Type**
  - User Task

- Service Task
  - Manual Task
  - Script Task
- Loop Types
  - Standard - a User task that can repeated until a different outcome is achieved.
  - Parallel - a Service task that can run many times at the same time
  - Sequential - a Service task that can be repeated many times one after the other

## Review & Approval Process

### Quality Check

Signavio implements BPMN governance checks at the point of Saving. You may save changes without addressing the errors by following the prompts, however before any model can be approved, it must pass these quality criteria:

- Adherence to this SyWay BPM Design Standard
- All Signavio Errors resolved
- Completeness of documentation
- Technical correctness (no broken links, correct use of gateways, etc.)
- Business accuracy (verified by process lead)

### Approval Workflow

- Initial creation and revisions of each model are performed by the process modeller
  - Business review by process owner and any other stakeholders
    - Final approval by SyWay process governance team
  - Peer reviews performed by Key Users and SMEs
  - Technical review by BPM modelling experts from Integration team

| #  | Task                                                                      | Who is going to trigger the activity | How                                       | Gatekeeper                                                                                | Status                                   | Sub Status                      |
|----|---------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|
| 1  | New L4 Requested                                                          | Process Owner                        | Email to Integration Team / Outcome of CR | Integration Team                                                                          | N/A                                      |                                 |
| 2  | L4 is created by Process Modelling Team                                   | Process Modelling team               | Approval email from Integration Team      | Process Modelling Team                                                                    | 0 - Draft                                |                                 |
| 3  | Process modelling done by the Process Owner from Pod                      | Process Owner                        | Signavio                                  | Process Owner                                                                             | 0 - Draft                                |                                 |
| 4  | Process model reviewed by Process Modelling Team for Technical Compliance | Process Owner                        | Meeting                                   | Process Modelling Team                                                                    | 1 - Draft Complete                       |                                 |
| 5  | Process model reviewed by Integration team representative                 | Process Owner                        | Email / Meeting                           | Integration Team                                                                          | 2 - Integration Review Complete          |                                 |
| 6  | Process model presented in cross pod meeting                              | Process Owner                        | Meeting                                   | Integration Team / Other team members                                                     | 3 - Cross Pod Review Complete            |                                 |
| 7  | Standardization Review                                                    | PMO / Process Modelling team         | Meeting                                   | Integration Team / Other team members                                                     | 4 – Business Process Reviews in Progress | Standardization review complete |
| 8  | Automation Review                                                         | PMO / Process Modelling team         | Meeting                                   | AI Consultant / Integration Team / Other team members                                     | 4 – Business Process Reviews in Progress | Automation Review Complete      |
| 9  | Jobs/roles review (GBS vs rest)                                           | PMO / Process Modelling team         | Meeting                                   | GBS Consultant / Integration Team / Other team members / HR                               | 4 – Business Process Reviews in Progress | GBS Review Complete             |
| 10 | PC Review                                                                 | PMO / Process Modelling team         | Meeting                                   | Process Controls Consultant / Integration Team / Other team members / Risk and compliance | 4 – Business Process Reviews in Progress | PC Review Complete              |
| 11 | SOD Review                                                                | PMO / Process Modelling team         | Meeting                                   | Security Consultant / Integration Team / Other team members / Risk and compliance         | 4 – Business Process Reviews in Progress | SOD Review Complete             |
|    | Process model updated with all attributes and changes from                |                                      |                                           |                                                                                           | 4 – Business Process Reviews             |                                 |

|    |                  |               |                 |                          |                                       |  |
|----|------------------|---------------|-----------------|--------------------------|---------------------------------------|--|
| 12 | previous reviews | Process Owner | Signavio        | Process Owner            | in Progress                           |  |
| 13 | Business Review  | Process Owner | Signavio        | Business Lead / Delegate | 5 – Business Process Reviews Complete |  |
| 13 | QA Review        | Process Owner | Meeting         | Process Modelling Team   | 6 - QA Complete                       |  |
| 14 | BL Sign Off      | Process Owner | Email / Meeting | Business Lead            | 7 - Endorsed                          |  |

## Publication

- Only approved models should be published to the Collaboration Hub
  - Use the Preview option in the User Settings to view unpublished processes
- Publication includes communication to stakeholders
- Liaise with the Training team to ensure that training materials are updated to reflect new/changed processes.

## Dictionary Management and Reusable Components

### Dictionary and Glossary Management

- A centralized business Dictionary is maintained in Signavio Dictionary
- Link process elements to dictionary entries for consistent terminology
- Dictionary categories organize business terms by type
- Dictionary entries must include:
  - Clear definition
  - Example(s) of usage
  - Owner/responsible party
  - Related business rules (when applicable)
- Functional teams may only create Dictionary items in respective "Suggestions" folders.
  - These items are reviewed by the Integration team for suitability and approval.

### Document Management

- Link relevant documents to process models using the document linking feature
- Use consistent document categories:
  - Process policies
  - Work instructions
  - Forms and templates
  - System documentation
  - Regulatory requirements
- Document references must include:
  - Document name
  - Document type
  - Version/revision number
  - Location/system of record
  - Owner/responsible party



More detail will be added in May 2025.

## Change Management

### Change Requests

- Document requested changes using the Syensqo change request process
- Assess impact on related processes and systems
- Obtain approval from process owner before implementation

### Revision Cycles

- Update models when business processes change

- All change requests and their status should be tracked

### Archiving

- Archive obsolete processes rather than deleting them
- Archived processes by moving them to the **07. Process Archives** folder
- Document reason for archiving and replacement processes (if applicable)

### Change log

| Version                | Published          | Changed By             | Comment                                                                                        |
|------------------------|--------------------|------------------------|------------------------------------------------------------------------------------------------|
| <b>CURRENT (v. 40)</b> | Apr 24, 2026 11:04 | HELME-ext, Alex        | Updated L5 attributes to include guidance on mobile, and highlighted mandatory L4 attributes.  |
| v. 39                  | Jan 15, 2026 15:24 | WENNIN GER-ext, Sascha |                                                                                                |
| v. 38                  | Jan 14, 2026 13:12 | HELME-ext, Alex        | added bullet on KINAXIS work instructions                                                      |
| v. 37                  | Jan 14, 2026 13:10 | HELME-ext, Alex        | Added detail on Data Object modelling, system interfaces, executables, Kinaxis and Approval w  |
| v. 36                  | Oct 08, 2025 12:50 | HELME-ext, Alex        | Updated section on process step metadata (attributes)                                          |
| v. 35                  | Aug 01, 2025 08:25 | HELME-ext, Alex        | Added L5 attribute "As Is"                                                                     |
| v. 34                  | Aug 01, 2025 08:20 | WENNIN GER-ext, Sascha |                                                                                                |
| v. 33                  | Aug 01, 2025 08:19 | WENNIN GER-ext, Sascha |                                                                                                |
| v. 32                  | Jul 29, 2025 12:51 | HELME-ext, Alex        | The latest round of changes to the BPM standard include: - removal of sub-process as an availa |
| v. 31                  | Jul 24, 2025 14:24 | HELME-ext, Alex        |                                                                                                |

[Go to Page History](#)

### Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

| Apr 01, 2026              | Actor                                                                                               | Type  | Activity                                     | Version |
|---------------------------|-----------------------------------------------------------------------------------------------------|-------|----------------------------------------------|---------|
| Approved                  | WENNINGER-ext, Sascha                                                                               | State | changed state to <b>Approved</b> at 9:31 am  | v40     |
| Edited following Approval | WENNINGER-ext, Sascha                                                                               | State | gave <i>Minor change</i> approval at 9:31 am |         |
| Mar 24, 2026              |                                                                                                     |       |                                              |         |
|                           |  HELME-ext, Alex | Edit  | updated the page at 11:04 am                 |         |

Updated L5 attributes to include guidance on mobile, and highlighted mandatory L4 attributes.

|                           |                       |       |                                                        |     |
|---------------------------|-----------------------|-------|--------------------------------------------------------|-----|
|                           |                       | State | changed state to Edited following Approval at 10:04 am | v40 |
| Jan 15, 2026              |                       |       |                                                        |     |
| Approved                  | WENNINGER-ext, Sascha | Edit  | updated the page at 3:24 pm                            |     |
|                           |                       | State | changed state to Approved at 2:24 pm                   | v39 |
| Edited following Approval | WENNINGER-ext, Sascha | State | gave Minor change approval at 2:24 pm                  |     |