5.1. Organizational Structure Settings at Company Level

All the data on several tab pages can be changed within the tab page itself. When a change has been made, the OK button *(Number 4)* will be enabled.
It is only when clicking the OK button *(4)* the changes are committed to the database.

An example to add a report:

1. Enter the configuration of the report.
2. Click the Add button to add the new report to the list.
3. The report is added, but has as key = 0, because it is not committed to the database yet.
4. Click OK button to add the changes to the database.

2.1. General Settings tab

On the company level general settings can be specified that apply to the entire Produmex WMS add-On.

Language
This includes the standard language (the language that is used by default on the thin clients, unless specified otherwise at the individual user level (cfr. Administration → Users).

Company Logo URL
A reference to the company logo can be added to the field. The path points to a shared folder which contains the company logo used on the login page of the Mobile Client.

DB credentials
The standard connection to the SAP Business One database (username / password). It needs to be set for reporting purposes.

Logistic carriers
It is also possible to define whether logistic carriers (pallets, containers, ...) are stored at one location per warehouse (where they are stored after emptying) and what the standard quality status for logistic carriers is.

- ***Store logistic carriers on 1 storage location by warehouse***
  When this option is enabled, logistic carriers are stored at one location per warehouse. Set the default storage location for logistic carriers on the Warehouse level.
  This setting should be enabled in order to use logistic carriers properly.
- ***Move all logistic carriers on reception***
  When this option is enabled, logistic carriers are automatically moved to the default storage location of the logistic carriers after the reception.
  This setting is only active if the *'Store logistic carriers on 1 storage location by warehouse'* option is enabled.
- ***Quality status for logistic carriers***

Select the standard quality status for logistic carriers from the dropdown menu.

Transport services
These global settings can be overruled on the SAP Shipping types.

- ***Select Driver When Loading***
  If the setting is enabled, the name of the driver must be specified or selected when loading.
- ***Select License Plate When Loading***
  If the setting is enabled, the license plate of the transport vehicle must be recorded.
- ***Select Trailer Number When Loading***
  If the setting is enabled, the trailer number of the transport vehicle must be recorded.

Goods receipt requires suppl. ref
If the setting is enabled, the operator is asked to enter a supplier reference number during the goods reception process.

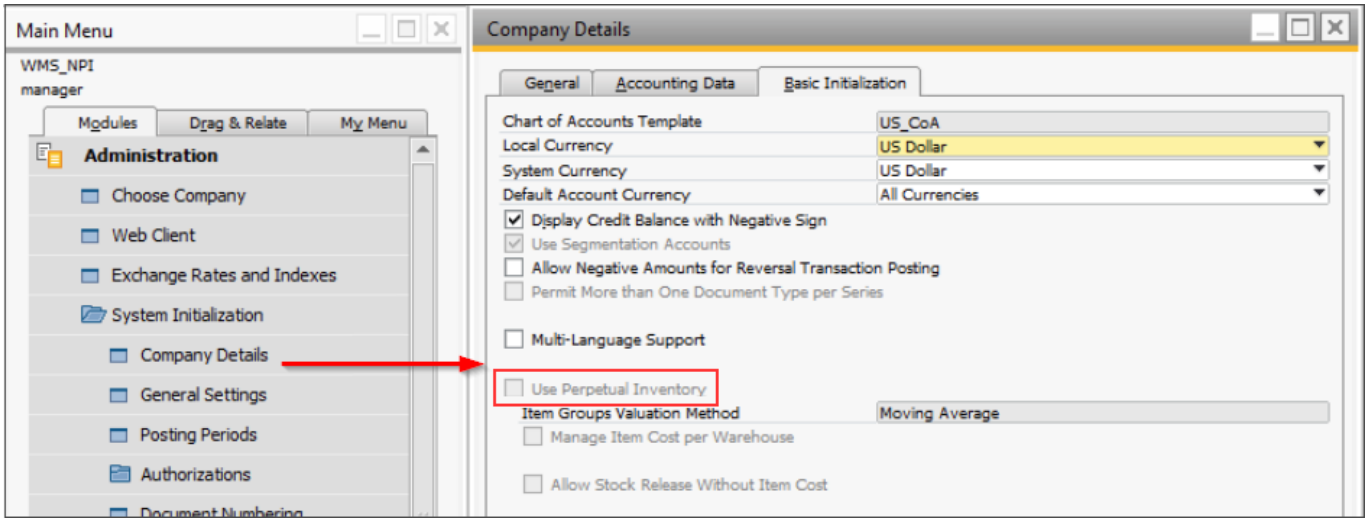
- The setting applies to the Reception Flow and Bulk Reception Flow.
- During the flows the system displays a separate Supplier Ref. screen after selecting a supplier and it is mandatory to enter the supplier reference number.
- With the end of the flow the reference number is added to the Vendor Ref. No. field of the created Goods receipt PO document.

Goods receipt automatically prints item labels
If the setting is enabled, the goods receipt on scanner automatically prints item labels. The number of labels printed, is the received number of items. Otherwise the user is asked if printing is needed.

Use inventory returnable items on documents
If the setting is enabled, the returnable item added to the document will be the inventory item.

Note: Depending on the *Use Perpetual Inventory* setting of the Company Details window of SAP Business One, returnable items work differently in Produmex WMS.

- If the setting is enabled, it is possible to add non-inventory items to the documents based on the *Use inventory returnable items on documents* setting.
- If the setting is disabled, then inventory returnable items are added to the documents regardless of *Use inventory returnable items on documents* setting.



Set vat group returnable items on documents
If the setting is enabled, the VAT group of the returnable item will be set when added to the document. For purchase this will be OITM.VatGroupPu and for sales this will be OITM.VatGourpSa.

Check to add returnable items
If the setting is enabled, the system will try to add returnable items when booking a document. To avoid this check this can be unticked.

Disable item selection in flows
If the setting is enabled, it will not be possible to select an item on scanner/touchscreen. The user will always have to scan a barcode to identify the item.

Pick list proposal allowed to exceed order
If the setting is enabled, it is possible to adjust the quantity of the proposal, so it exceeds the ordered quantity.

Do not lock stock on picking (picklists can be created even if no stock is available)
When proposals are made, stock is locked. If the setting is enabled, the system does not lock stock when creating the proposal. This means that there is no more check of available quantity, so proposals can be made, even if there is not enough quantity.

Note:

- Picking can only happen through the Ad Hoc Picking Flow.
- This option does not apply to picklists for production. These picklists will have locking.
- If the Do not lock stock on picking setting is enabled, make sure that you disable the Make Picklist ready before print? setting on the picklist controller.

Allow overpicking
If the setting is enabled, you can pick more items than specified in the sales order/picklist. This can be done for convenience purposes, e.g. if an order for 14 items is received and the packaging unit for that item is a box of 15 items. In such a case, picking a whole box may be more convenient than opening the box and taking one item out.
This option is available for Picking, Zone picking, Multi picking and Ad hoc picking tasks Route and Pick List. *Overpicking is not allowed when picking an alternate stock.*

Allow overpicking (Customer collect)
If this setting is enabled, the operator will be able to pick more items than specified in the sales order/pick list in the *Ad hoc picking – Customer collect* flow.

Count colli after picking
As a further check to ensure the correctness of deliveries, it can be specified that the operator has to count and enter the number of colli that were picked and put onto a logistic unit (SSCC), which the operator wishes to finish. The system will then verify whether this number is the same as the number of colli it has recorded during the picking process onto this logistic unit (SSCC). The count is done in the inventory UoM.
When this is ticked, it can be configured how many times the user can enter an incorrect count. When this maximum is reached, the picked SSCC is considered unpicked, and a new picklist is created for these items, forcing the user to pick again.

Embed .NET forms in SBO forms
If the setting is enabled, all forms run within SAP.
But in some cases it is useful if some screens are not embedded in SAP. In that case it is possible

when you have 2 monitors to move certain screens outside of SAP on another monitor.
This can be done by unchecking this checkbox.
Some screens will be shown in the Windows taskbar, and will be outside of SAP.
Supported screens:

- Organizational structure
- Route planning
- Production manager
- Cycle count – Select location
- Cycle count – Process

Usability Improvement Program

The Usability Improvement Program (UIP) aims to give all Boyum IT customers the ability to contribute to the design and development of Boyum IT products.

By default, the setting is enabled and the add-on automatically sends information to Boyum IT about how the product is used. The information is used to improve the related features.

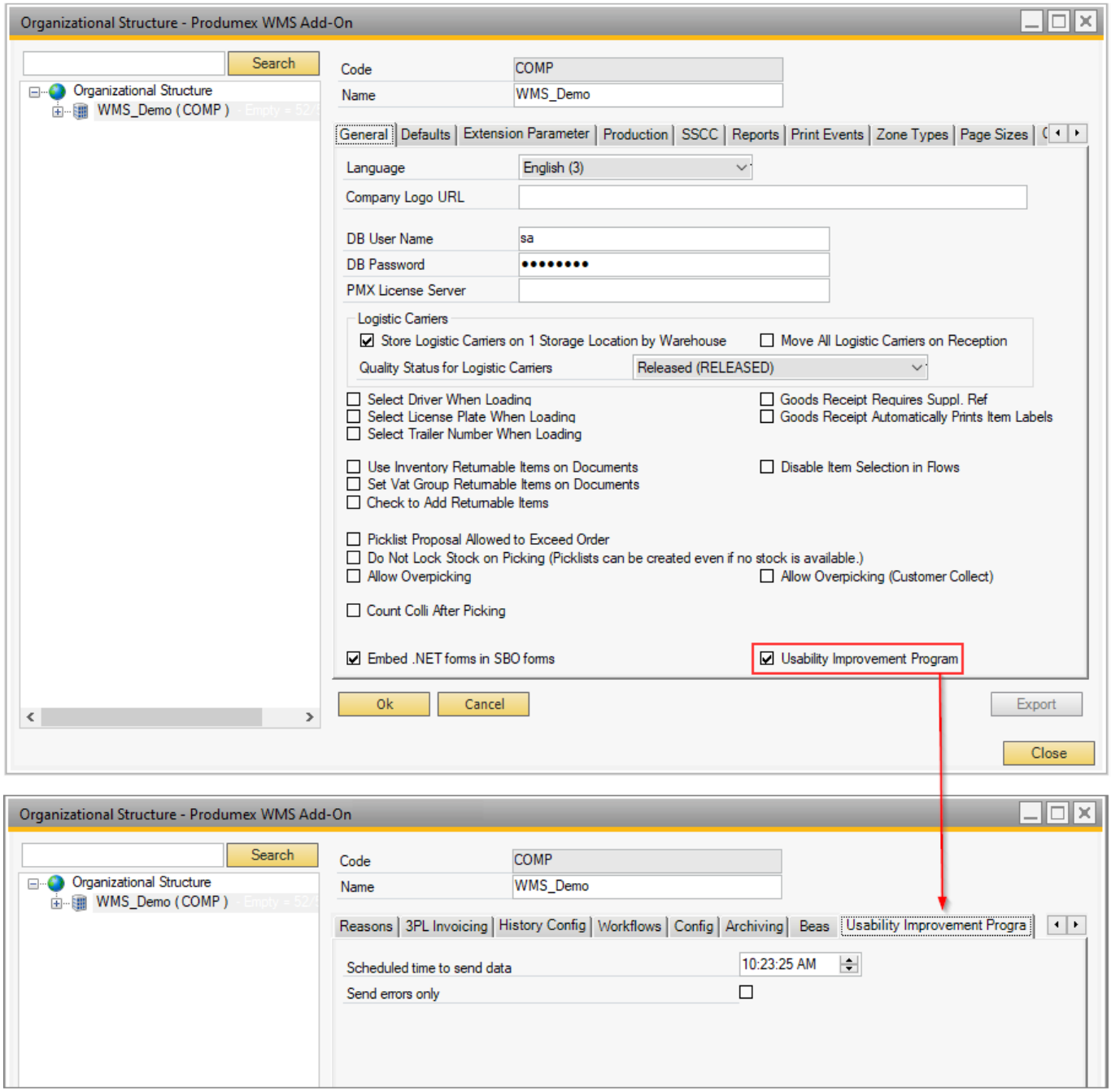
The gathered data sent to Boyum IT can be:

- feedback: generic information (e.g. SAP version, resolution) and add-on specific information (e.g. number of configurations)
- error

UIP does not send any business data, confidential information or user / customer information. For more information about UIP click here.

If the setting is enabled, an additional Usability Improvement Program tab is displayed in the Organizational Structure window with the following settings:

- **Scheduled time to send data**: the exact time of the day when information is sent
- **Send errors only**: If the setting is enabled, only errors are sent to Boyum IT.



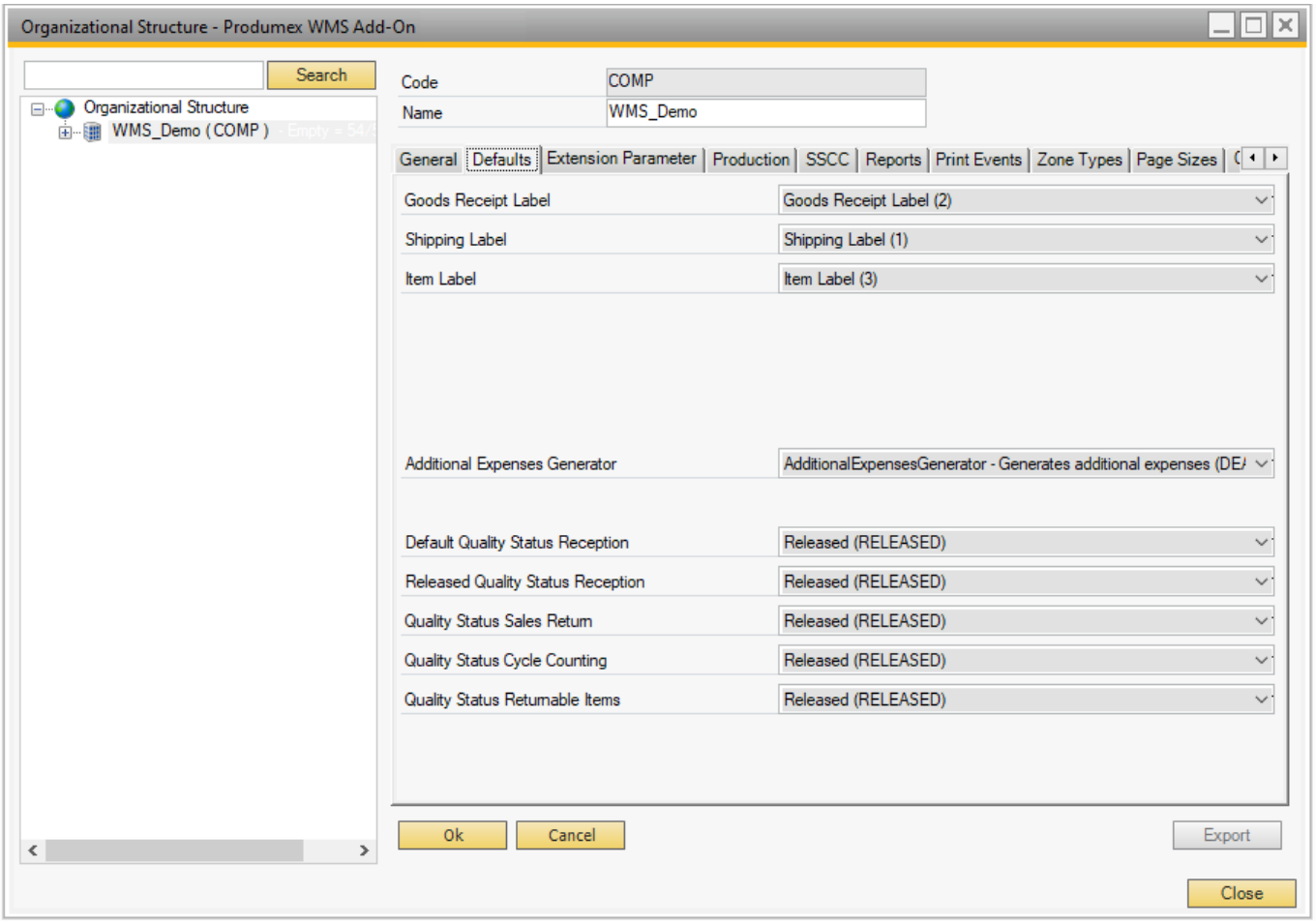
Auto-Select Company

If the setting is enabled, the Company element is automatically selected when the Organizational Structure is opened.

Auto-Extend Company

If the setting is enabled, the Company subtree is automatically expanded to the highest level, which is usually the warehouse level, when the Organizational Structure is opened.

2.2. Defaults tab



Labels
In the default settings you can specify the standard labels for goods receipt, shipping and the standard item label.

Additional expenses generator
The setting is used to copy additional expenses, for example freight costs from a sales order/line to a sales delivery.

Generating additional expenses are supported in the following cases:

1. Target document: Sales Delivery
   Base document: Sales Order or Sales Invoice
2. Target document: Sales Invoice
   Base document: Sales Order or Sales Delivery
3. Target document: Purchase Delivery
   Base document: Purchase Order or Purchase Invoice

Note: The way the costs get divided on the base documents depends on the configuration within SAP. Produmex WMS does not handle it.

Default quality status reception
The default quality status for goods receipt.
This option can be overruled by settings on the item master data.

Released quality status reception

This setting is related to the setting “default quality status reception”. The setting defines the quality status of a batch number that is released in inventory. For example an item with a batch number is received in inventory with a quality status of quarantine (default quality status reception), if the item and batch number changed of quality status to released and the item with the same batch number is again received into inventory it will retrieve the quality status defined in the setting “Released quality status reception”.
This option can be overruled by settings on the item master data.

Quality status sales return
The default quality status for sales return.
This option can be overruled by settings on the item master data.

Quality status cycle counting
Defines the default status of items that are added to the inventory *(Inventory Transaction → Goods Receipt)* as a result of Cycle Counting *(when a positive difference has been established between the actual physical stock in the warehouse and the administrative stock that was registered in SAP Business One)*. The cycle count default quality status is applied to any stock within or without the SSCC. (Except when the counted bin has a fixed quality status, the surplus stock then gets that quality status)

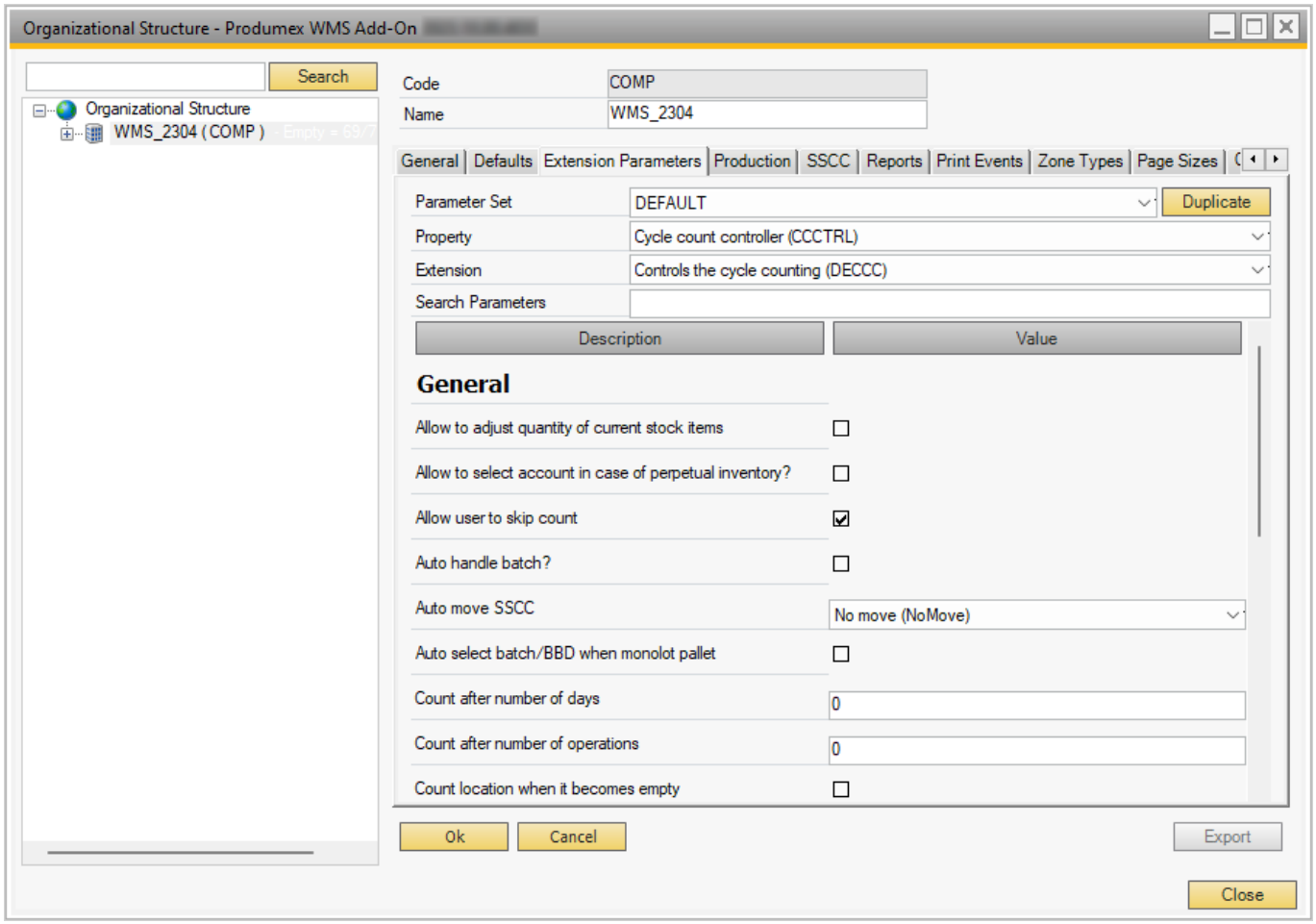
Quality status returnable items
The default quality status for returnable items.
This is used when inventory returnable items need to be added to the system.

2.3. Extension Parameters tab

On the **Extension Parameters tab** it is possible to define parameters for certain properties. The properties and the applicable extensions are listed in the Parameter Set, Property and Extension drop-down menus.

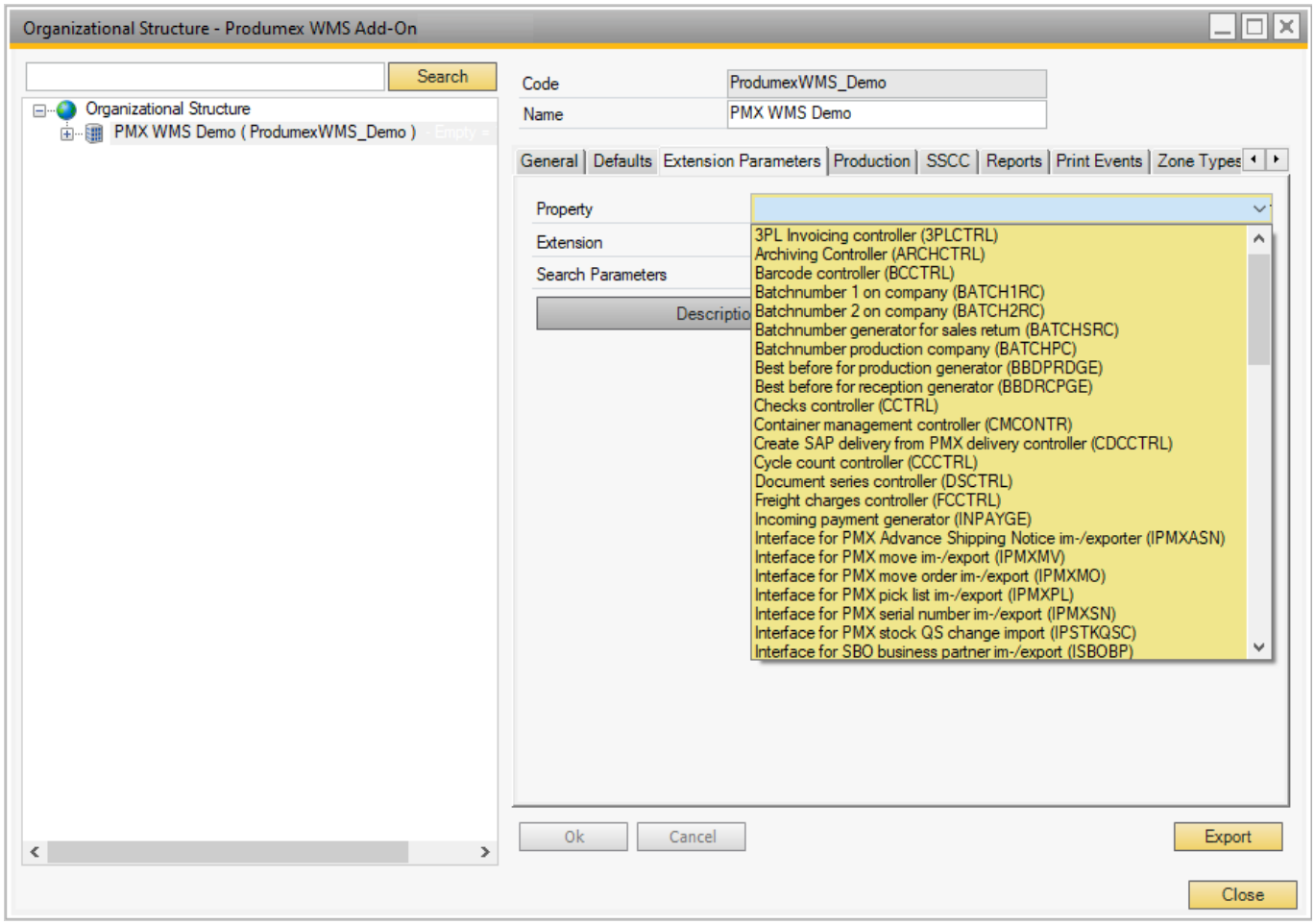
The Parameter Set duplication feature allows users to create independent parameter sets based on existing ones. Next to the Parameter Set drop-down menu, there is a “Duplicate” button that triggers the appearance of the modal form/window. This window includes an Original Parameter Set (read-only textBox) and a New Parameter Set (editable textBox). It provides an OK button and a Cancel button. Pressing OK performs the following actions:

- **If the New Parameter Set is empty**, the **OK button is disabled** to maintain data integrity.
- **If the New Parameter Set is filled**, the **new parameter set is saved from memory to the database**, and the Duplicate Parameter Set window is closed. The newly created parameter set is then loaded. Modifications made to the original parameter set are applicable to the duplicated set. The system supports seamless saving and reloading of modifications for the new parameter set.



Select a property and the applicable extension parameter and the related parameters are displayed.

With the Search Parameters field it is possible to filter the shown parameters. Only parameters that contain the entered characters are displayed.

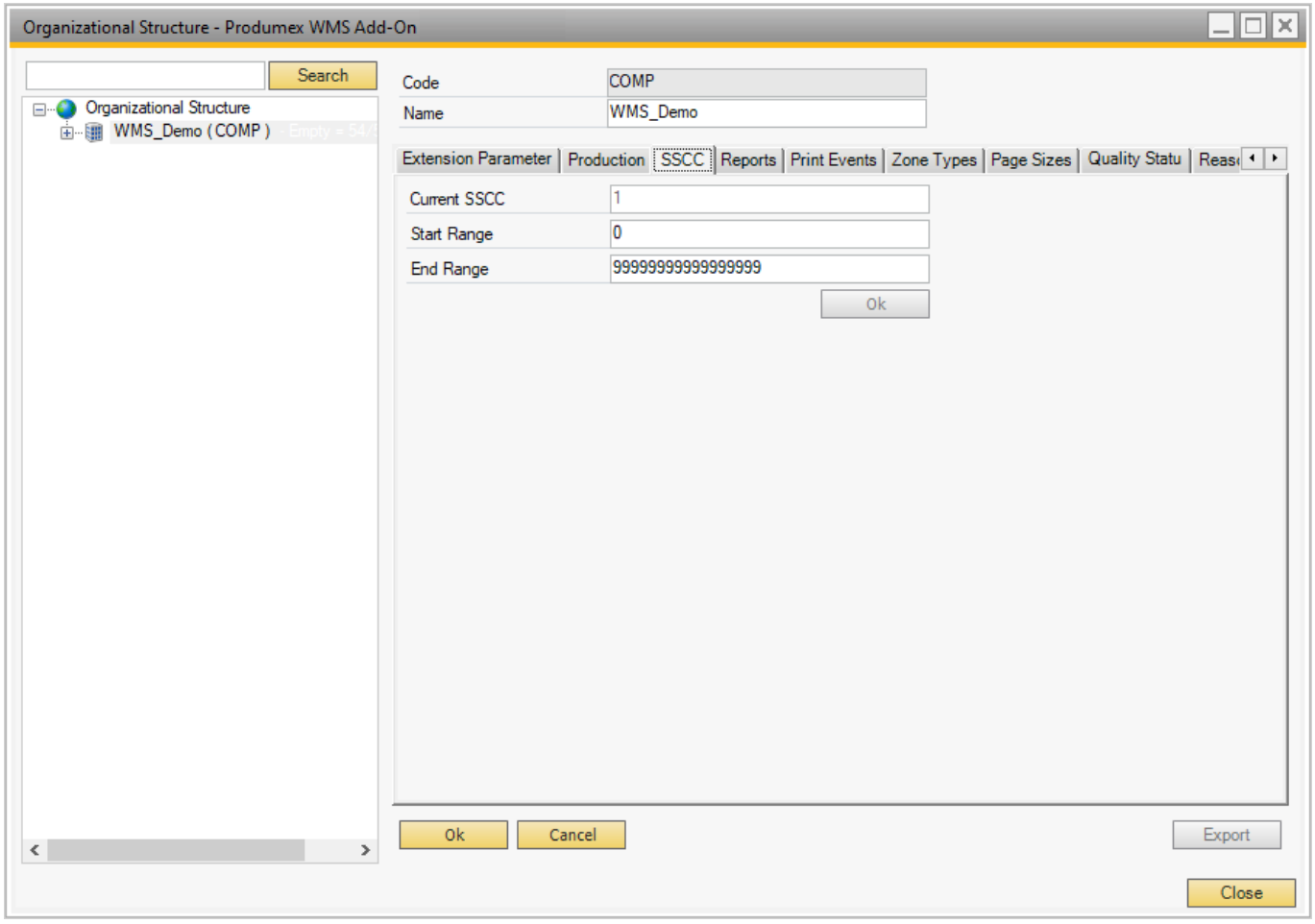


The following sections describe the available properties and their extensions:

2.5. SSCC tab

On the SSCC tab of the Organizational Structure the system shows the current SSCC number and the start and the end number of the range.

The fields prevent the user from entering more than 17 or non-numeric characters. The 18th character is automatically calculated as the check digit.



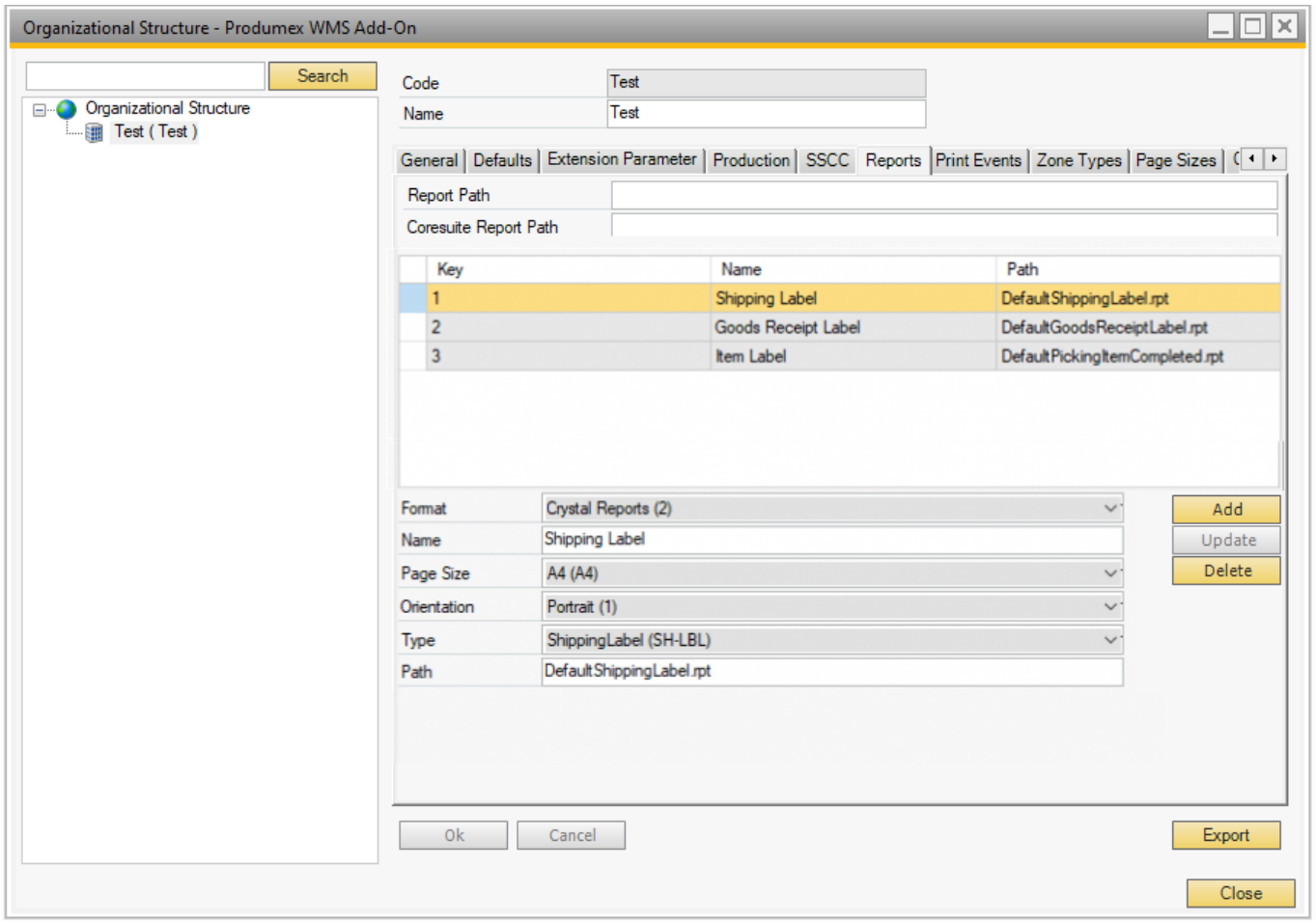
2.6. Reports tab

2.6.1. Overview

The Reports tab offers an overview of the standard reports that have been defined in Produmex.

It includes a reference to the shared folder (*Report path*, *Coresuite report path*) where the reports are stored and makes it possible to set the report parameters:

- Format in which the report is created (for example Crystal Reports, CoreSuite)
- Name
- Page size
- Orientation
- Type
- Path from the entered report path



2.6.2. Configuration

1. Select the format you wish to use from the *Format* drop-down menu:

- A) Crystal Reports: uses the reports you download with your Produmex installation file.
- B) Crystal Reports by SAP: uses the default reports that are stored within SAP.
- C) Coresuite: uses the reports available in Coresuite.
- D) Unknown: can be used for custom report types.

2. The next step depends on the format you have selected in step 1:

- A) **Crystal Reports**: Provide the path of the reports in the *Report Path* field.
  - MSSQL:
    You can find the reports in your installation folder and you can add its path to the *Report path* field, for example: *C:\Install\Produmex_WMS_X_X.x64\Reports\MSSQL*.
  - HANA: see HANA Report Setting Tool

- B) **Crystal Reports by SAP**: Check the ID of the report, then add the ID into the *Path* field. When the system starts printing, it gets the report with this ID from the database.
- C) **Coresuite**: When printing the system creates a file to a certain folder. The field *Coresuite report path* needs to be filled in with a folder where the file needs to be stored. The Coresuite add-on picks up the file and prints the report.

3. Provide the necessary report parameters.

- Name
- Page size
- Orientation
- Type: The system uses the report type to provide the necessary data for the flows while printing, see Report table below.
- Path from the entered report path

4. Click ADD and the list of the added reports is displayed in the grid.

2.6.2. Report table

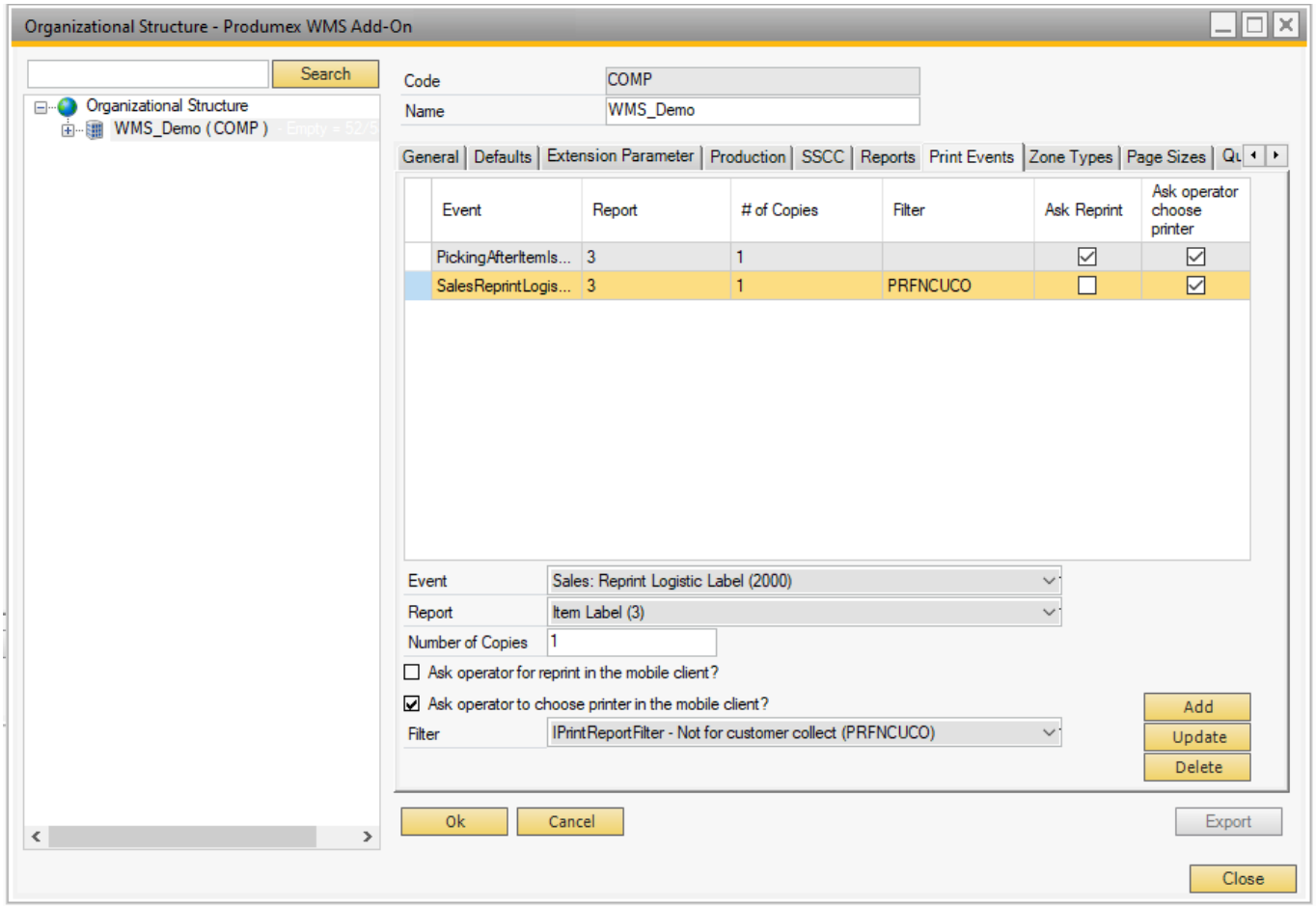
Report name	Report type
Default Goods Receipt Label	Goods Receipt Label (GR-LBL)
Default Goods Receipt Label Data matrix	Goods Receipt Label (GR-LBL)
Default Goods Receipt Label Small	Goods Receipt Label (GR-LBL)
Default Item Label	Item Label (ITM-LBL)
Default Logistics Label	New master logistic unit label (MALU_REP)
Default Pack List	Sales delivery report (SDEL-RPT)
Default Picking Item Completed	Picklist report (PICK-REP)
Default Picking Prepare Cart New SSCC Label	Picking prepare cart new SSCC (PPCNSSCC)
Default Pick List	Picklist report (PICK-REP)
Default Production Label	Production Label (PRD-LBL)
Default PT Item Label	Item Label (ITM-LBL)
Default PT Item Label 2	Item Label (ITM-LBL)
Default Purchase Order	Purchase order report (PORD-RPT)
Default Route Document	Route report (RT-RPT)
Default Sales Delivery By Sales Order	Sales delivery report (SDEL-RPT), Sales invoice report (SINV-REP)
Default Sales Delivery By SSCC	Sales delivery report (SDEL-RPT), Sales invoice report (SINV-REP)
Default Sales Order Confirmation	Sales order report (SALO-REP)
Default Shipping Label	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Shipping Label Small	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Shipping Label With Items	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Warehouse Transfer Document	Warehouse move report (WHSM-REP)
Default Weigh Order	Weigh order (WO_REP)
KPI_Avg Time Picking Report	KPI Average time picking report (KPI_ATP)

Report name	Report type
KPI_Num Deliveries Per Dock Report	KPI sum deliveries (KPI_SDE)
KPI_Pick Item Time Report	KPI pick item time report (KPI_PIT)
KPI_Pick Lines Per User Report	KPI lines per picker (KPI_LPP)
KPI_Time Managment Report	KPI Time management (KPI_TMA)

2.7. Print Events tab

On the Print Events tab you can indicate which report has to be generated and printed on which event.

The list of print events is available here.



2.6.1. Set up a print event

1. Select the necessary event in the *Event* drop-down menu.

2. Select the report to be generated upon the occurrence of the event in the *Report* drop-down menu.

3. Provide the number of copies to be printed in the *Number of Copies* field. The value provided in the field means that the system prints exactly this number of copies. Value 0 and 1 mean that the system

prints exactly 1 copy.

4. Printing

If the *Ask operator for reprint in the mobile client?* setting is enabled, the system displays the Reprint Label screen on the Mobile Client and asks if more copies should be printed after the given number of copies has been printed.

If the *Ask operator to choose printer in the mobile client?* setting is enabled, the system displays the Select a Printer screen on the Mobile Client and lists the printers available in the warehouse where the Mobile Client is set. If the setting is not enabled, the system uses the default printer.

5. Optional: In the *Filter* drop-down menu select a predefined filter, a condition that has to be met for the report to be generated.

The following filters can be selected:

a) Filter by Warehouse Move Matrix UDT(PRFWMM)
The filter can be used for warehouse move documents. It uses the settings of the Warehouse Move Matrix UDT to check whether a document should be printed.

b) Customer Collect (PRFCUCO) and Not for Customer Collect (PRFNCUCO)

- PRFCUCO: The document is only printed for customer collects.
- PRFNCUCO: The document is not printed for customer collects.

These filters can be used for the following print events:

- 200 Picking: new LU full
- 300 Shipping: sales delivery note created
- 302 Shipping: picklist shipped
- 500 Packing: finished LU

c) Document Line (PRFDOCLI)
The filter can be used for print event *204 - Picking: after item is picked* and it uses the setting *Print after item picked* of the Produmex Pick List Types (PMX_PLTY) UDT to check whether a document should be printed.

d) LUID Generated Printed (PRFLUIDG)
When a logistic unit is received with a valid logistic label containing an SSCC, the system does NOT generate a new reception label with a new system-generated SSCC. The filter can be used for the following print events:

- 101 Reception new LU identified
- 200 Picking: new LU full
- 400 Production: LU produced
- 500 Packing: finished LU
- 700 WHS: created LU
- 702 WHS: created master LU

e) Script (PRFSCRIP)
It offers the possibility to develop criteria for determining when and how a label should be printed. Please see section *5.1.6.2. Scripted print filters* below.

6. Click Add.

2.6.2. Scripted print filters

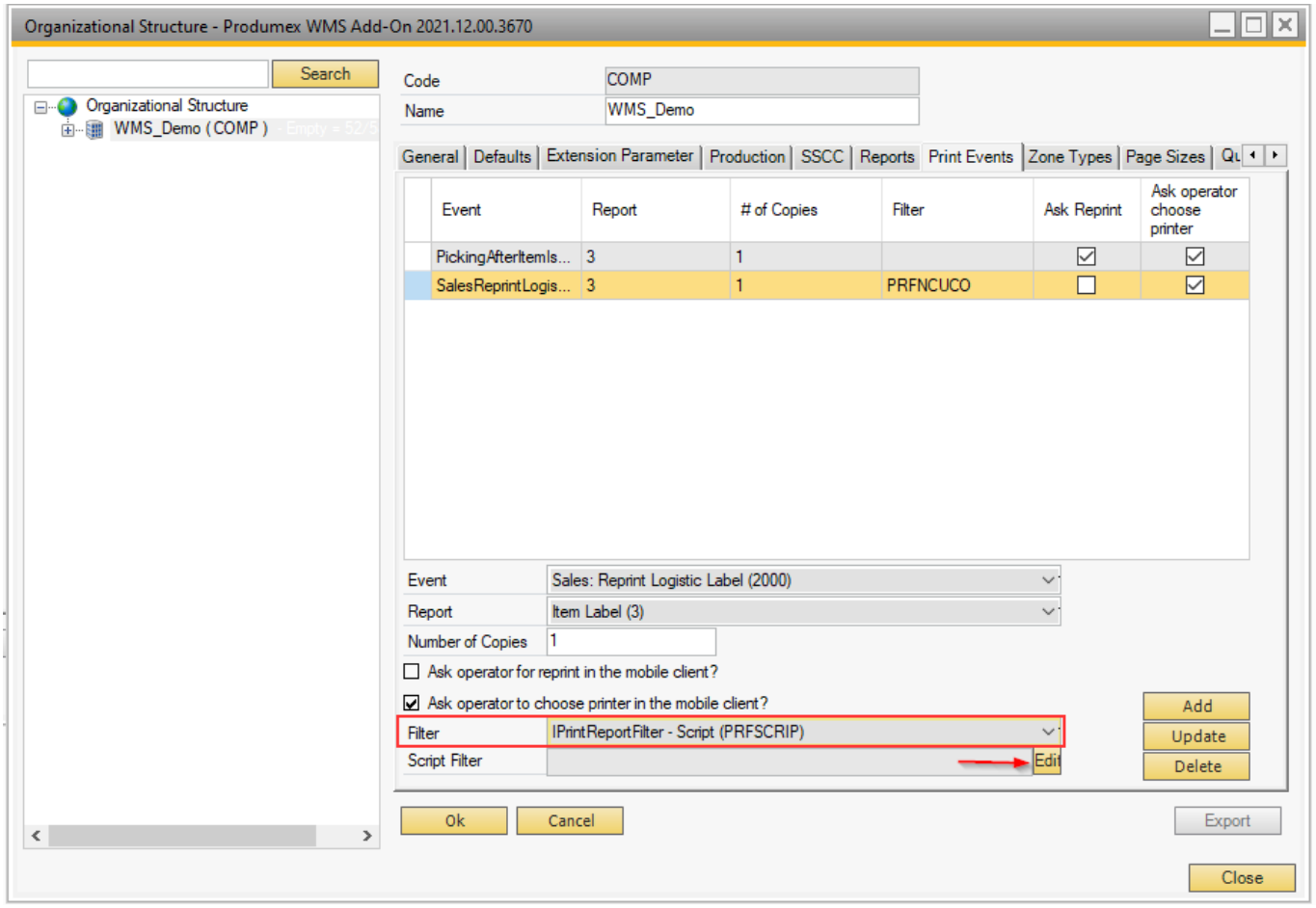
It is possible to define a custom print filter. It will allow to block printing for certain parameters.

A typical print filter consists of 3 main sections

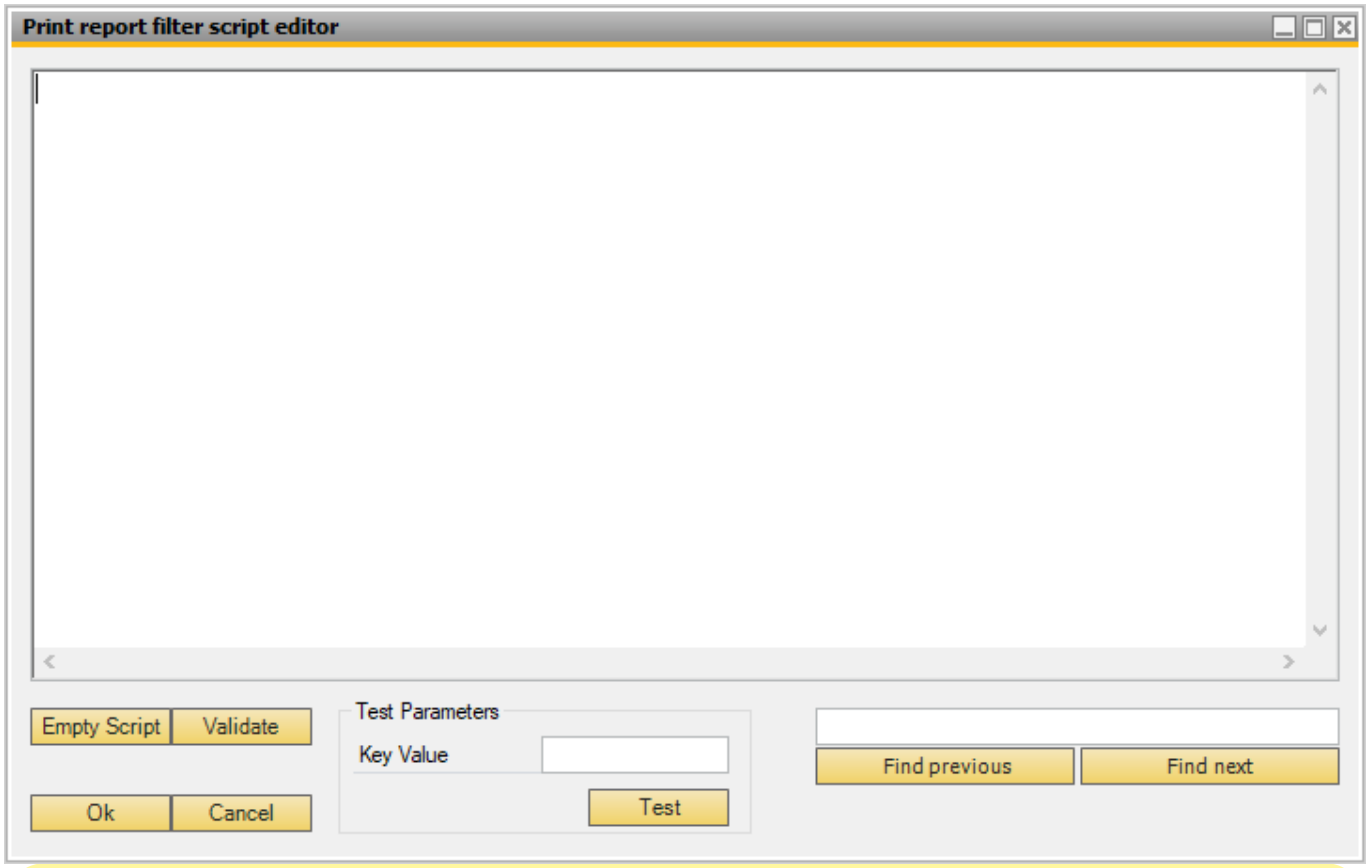
- Running of SELECT QUERY to get needed info for document
- Determination of TRUE or FALSE value according to needed info
- Return RESULT

Creation of a new print filter
In the Produmex Organizational Structure go to the Print Events tab.

Here you can add a filter to the desired print event.
Select Filter → IPrintReportFilter – Script (PRFSCRIPT)
Click the `Edit` button.



The following script editor opens and you can paste the script.



Press the ‘Empty script’ button to open a script template designed for the selected print event. We recommend to use this template instead of starting from an empty script.

The template contains two print report methods.

- Use the first method if the report has only one parameter.
- Use the second method if the report has more than one parameters.

Here you can find a demonstration script that explains what is needed.

Note: In Hana queries are case sensitive. Pls write field names as follows: \“fieldname\” for example: \“CardCode\”

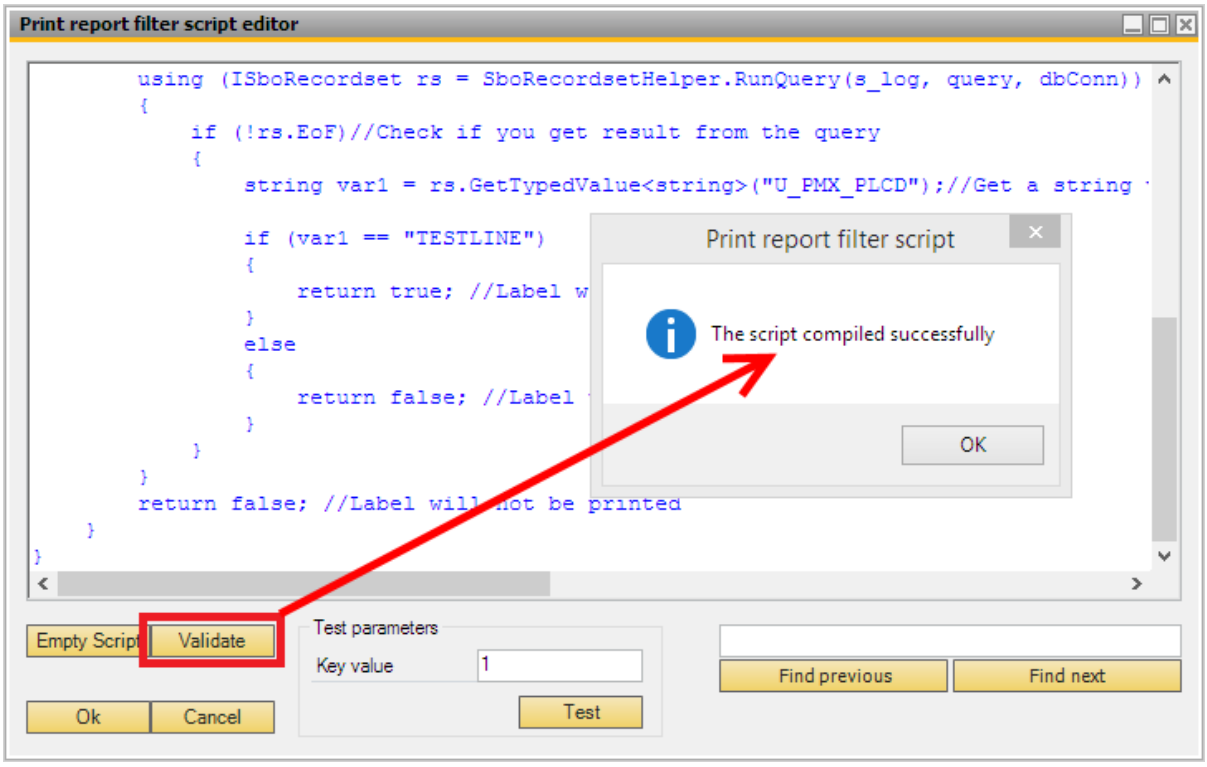
```
using System;
using System.Reflection;
using Produmex.Foundation.Data.Sbo;
using Produmex.Foundation.Diagnostics;
using Produmex.Sbo.Logex.Data.BusinessObjects;
using Produmex.Sbo.Logex.Data.Providers;
using Produmex.Foundation.Data.Sbo.BusinessObjects;
using Produmex.Foundation.Data.Sbo.Utilities;
using Produmex.Foundation.Data.SqlClient;

public class Script
{
    private static readonly ILog s_log =
LogProvider.GetLogger(MethodInfo.GetCurrentMethod().DeclaringType);
```

```
    public static bool PrintReport(PmxPrintReportEventType eventType, int
key, PmxDbConnection dbConn)
    {
        //Create the query you want to use
        string query = "SELECT [COLUMNAME1], [COLUMNAME2] FROM [TABLENAME]
WHERE [Key] = "
+ key.ToString();

        //Run the query
        using (ISboRecordset rs = SboRecordsetHelper.RunQuery(s_log, query,
dbConn))
        {
            if (!rs.EoF)//Check if you get result from the query
            {
                string var1 = rs.GetTypedValue<string>("COLUMNAME");//Get a
string value
                int var2 = rs.GetTypedValue<int>("COLUMNAME2");//Get an int
value

                //Possibility to add a check on the result
                //In this case if the value of column with name 'COLUMNAME2'
equals to 99,
                //a label should be printed
                if (var2 == 99)
                {
                    return true; //Label will be printed
                }
                else
                {
                    return false; //Label will not be printed
                }
            }
        }
        return false; //Label will not be printed
    }
}
```

So you can modify this script to fit your needs:

- Modify the query to lookup the needed info
- Get the needed values from the query result
- Modify the check on the result and return the correct TRUE or FALSE

Validate and test



You can also use this screen to:

- Validate the Script
- Do a test run with a KEY from the database :
  The key is what is passed to the report. So for the print event ProductionLogisticUnitProduced this is the LUID of the produced pallet.

In order to avoid performance issues, do not use 'SELECT *' syntax in the select query. Select only the required columns or the primary key.
Example:

1. What should be **avoided**:

```
SELECT * FROM "OITM" WHERE "ItemCode" = 'ITEM01'
```

2. What to use instead:

   - `SELECT "InvntItem", "MinLevel" FROM "OITM" WHERE "ItemCode" = 'ITEM01'`

   - `SELECT "ItemCode" FROM "OITM" WHERE "ItemCode" = 'ITEM01'`

It's also recommended to add the WITH (NOLOCK) hint to all tables used in these queries.
For example:

- `SELECT "ItemCode" FROM "OITM" WITH (NOLOCK) WHERE "ItemCode" =`

```
'ITEM01'
```

- Or with a join (NOLOCK on all tables):

```
SELECT "OITM"."InvntItem" FROM "DLN1" WITH (NOLOCK) JOIN "OITM" WITH
(NOLOCK) ON "DLN1"."ItemCode" = "OITM"."ItemCode" WHERE
"DLN1"."ItemCode" = 'ITEM01'
```

Below you can find another demonstration script which explains how to access more than one parameter in your print filter. It can be relevant as the 204 - Picking: after item is picked print event takes two parameters.

Note: In HANA make sure that you use the parameter of the print event. The list of print events and their parameters are available here.

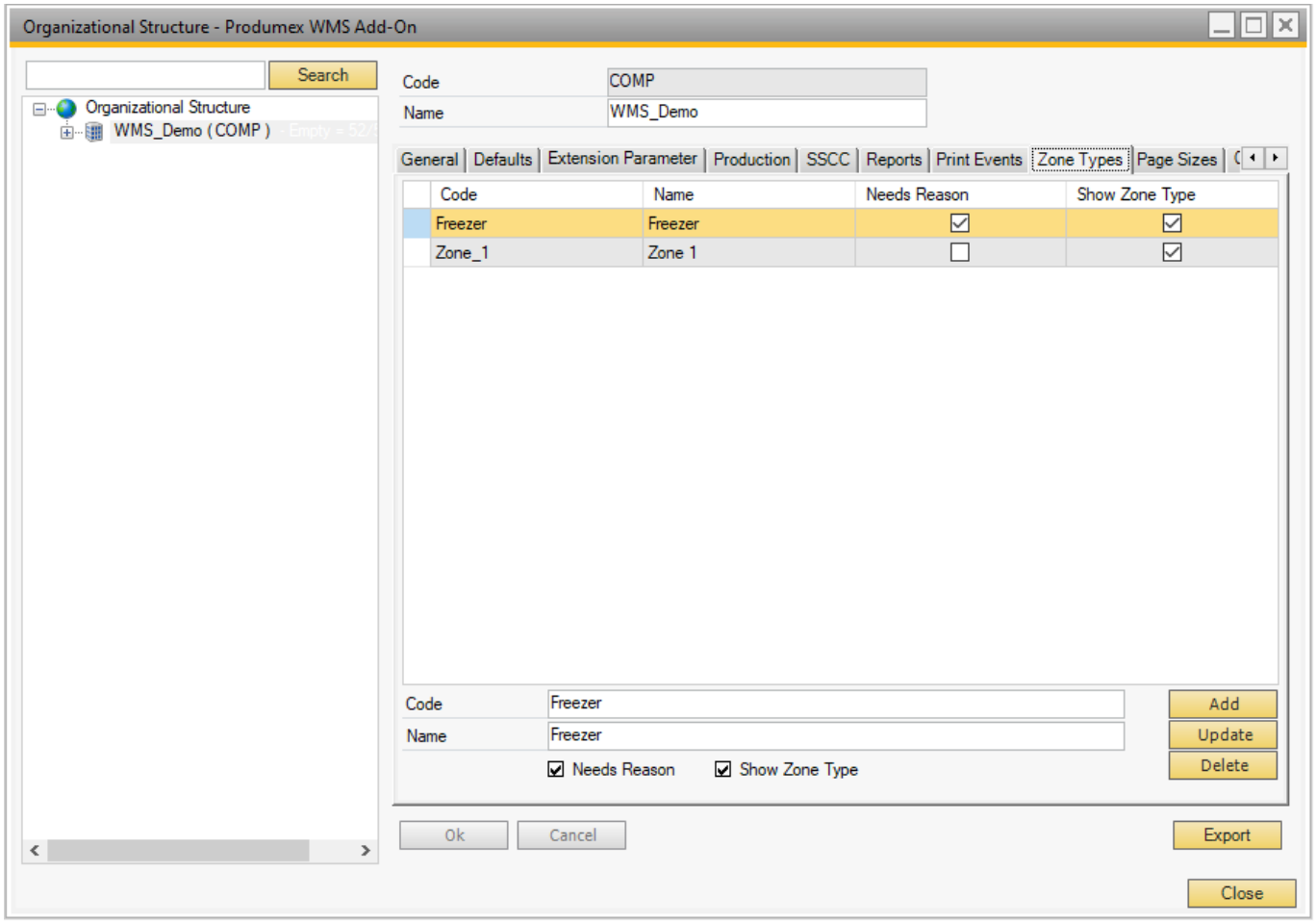
```
using System;
using System.Collections.Generic;
using System.Text;
using Produmex.Foundation.Data.Sbo.Providers;
using Produmex.Sbo.Logex.Data.Extensions;
using Produmex.Foundation.Diagnostics;
using Produmex.Sbo.Logex.Data.BusinessObjects;
using Produmex.Foundation.Data.Sbo.BusinessObjects;
using Produmex.Foundation.Data.Sbo.Utilities;
using Produmex.Sbo.Logex.Data.BusinessObjects.Definitions.Tables;
using Produmex.Foundation.Data.SqlClient;
using System.Reflection;
using Produmex.Foundation.Data.Sbo.BusinessObjects.Definitions.Tables;
using System.Globalization;
using Produmex.Foundation.Data.Sbo;
using Produmex.Sbo.Logex.Data.Providers;

public class Script
{
    private static readonly ILog s_log =
LogProvider.GetLogger(MethodInfo.GetCurrentMethod().DeclaringType);

    public static bool PrintReport( PmxPrintReportEventType eventType,
IDictionary<string,object> parameters, PmxDbConnection dbConn )
    {
    // Only print if we have just picked an item where an UDF on Item
Master Data is set to yes, otherwise do not print
    // Adapt this query to your needs
        string query = "SELECT PMX_PLLI.InternalKey, OITM.U_LabelPrint
FROM PMX_PLLI" +
                       " LEFT JOIN OITM ON PMX_PLLI.ItemCode =
```

```
OITM.ItemCode" +
                        " WHERE U_YourUDF = 'Yes' AND PMX_PLLI.DocEntry =
" +
                          parameters["@docEntry"].ToString() +
                        " AND PMX_PLLI.LineNum = " +
                          parameters["@lineNum"].ToString();

    //Run the query
        using (ISboRecordset rs = SboRecordsetHelper.RunQuery(s_log,
query, dbConn))
        {
            if (!rs.EoF)//Check if you get result from the query
            {
                return true; //Label will be printed
            }
        }
        return false; //Label will not be printed
    }
}
```

2.8. Zone Types tab

The Zone Types tab allows for defining Zones Types in your company. Zone Types can be assigned to specific items depending on their storage conditions.

Note: When a Zone Type is created, its code cannot be changed.



Needs Reason
Enable the Needs Reason setting if a reason must be provided when receiving or moving the item into a zone with the given zone type.

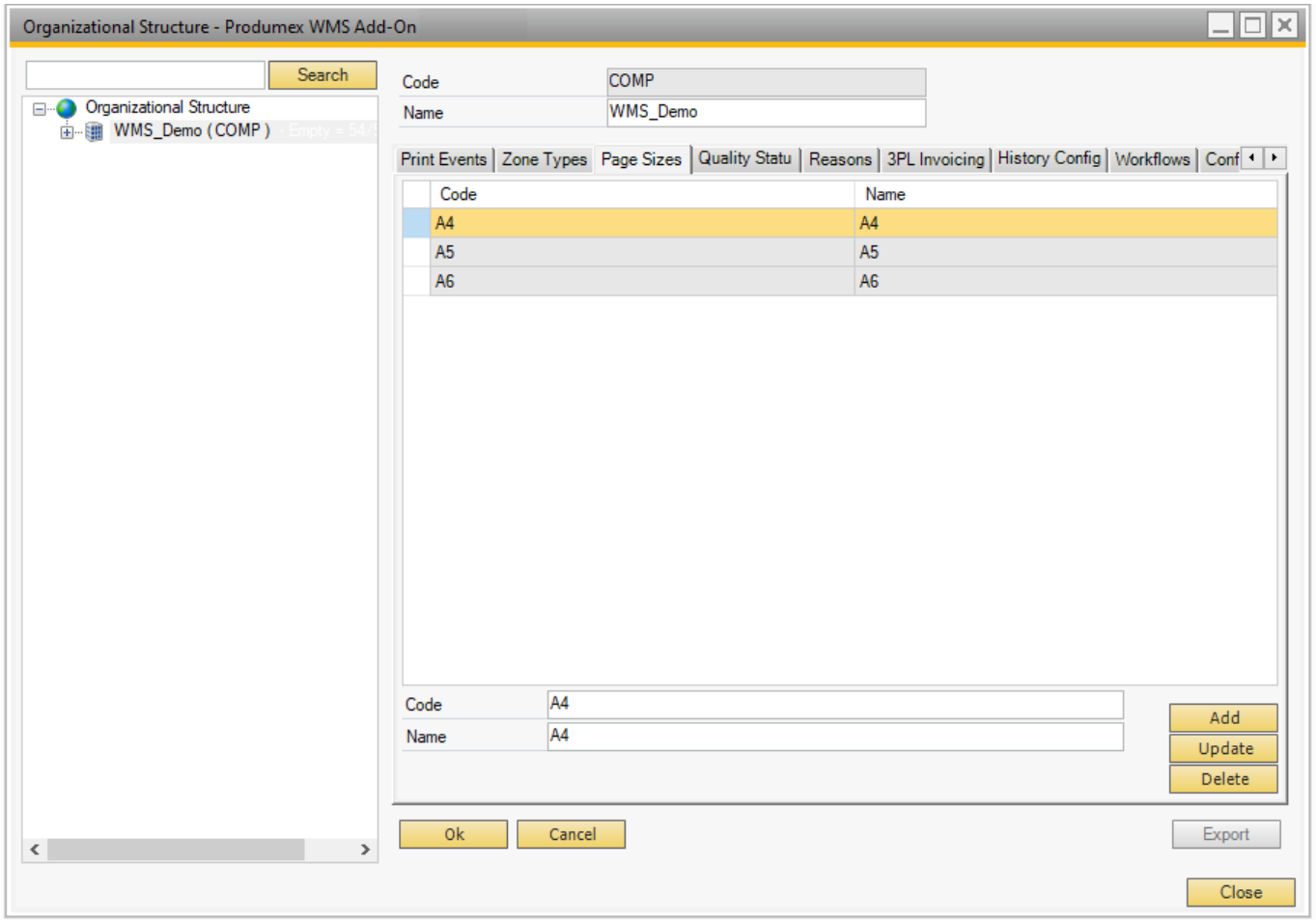
Show Zone Type
If the setting is enabled, the zone type is shown during the reception of an item.

During the reception of items with zone types, an optional information screen can be displayed to remind the operators in which zone(s) the product can be stored. This is for information purposes only, and while the screen asks the operator to select a zone, no action is taken. The screen is displayed only if the item being received has at least one zone type with the Show Zone Type option enabled.

2.9. Page Sizes tab

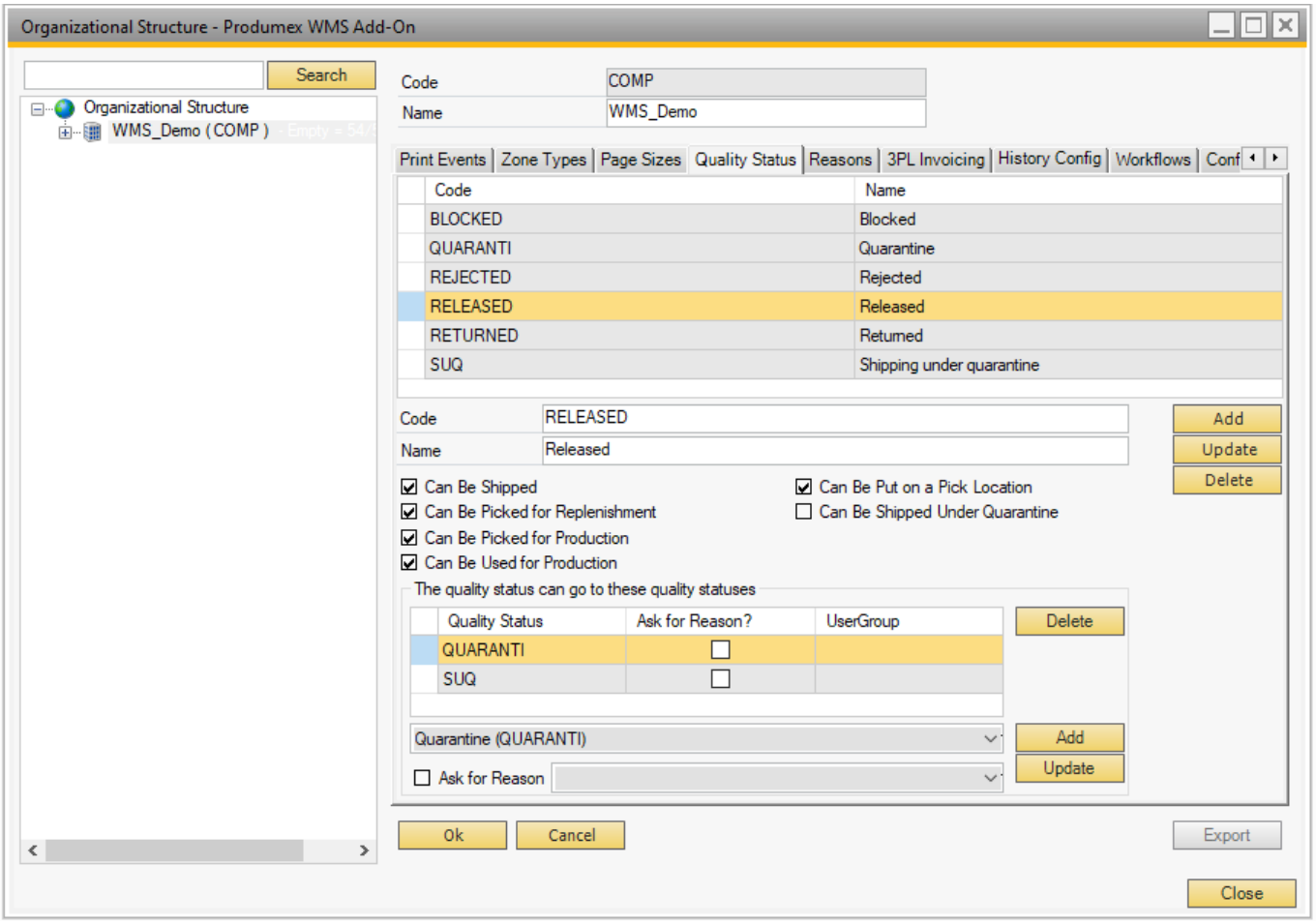
The Page Sizes tab allows for defining the page sizes for reports and printers.

Once a page size is created, its code cannot be changed.



2.10. Quality Status tab

The “Quality status” allows you to define the applicable quality statuses for your company.
For each quality status it is possible to define whether or not an item with that specific quality status can be shipped and/or picked for production and/or picked for a replenishment order.
Furthermore you can specify to which quality status a specific status can be changed: e.g. “blocked” can be changed to “released”.



Ask for reason
On the transition between quality statuses the user can set whether a reason needs to be entered for the change.

Can be shipped
The quality status is allowed to be picked and shipped.

Can be picked for replenishment
Indicates if the stock can be used to replenish pick locations.

Can be picked for production
Indicates if the stock can be used pick for production.

Can be used for production
Indicates if the stock can be used for production. Stock that does not have this option, are not allowed to be stored on production lines.

Can be put on a pick location
Indicates if the stock can be stored on pick locations.

Can be shipped under quarantine
Indicates that the stock is in quarantine, but still allowed to ship. Setting ‘Shipping quality option’ on the sales order line can be changed to allow shipment of these goods.

Quality status transitions

This lists the quality statusses to where the current quality status can be changed to.

It is possible to flag the setting ***Ask for reason***. By doing this, when the user changes the quality status through the inventory report, he will have to select a reason for this quality status change.

It is also possible to limit users from making certain quality status transitions.
This is done by selecting a user group for the transaction.
If a user wants to perform a quality status transition, he is only allowed to change it to a quality status that has no user group, or a quality status that has the user group he is assigned to.

Please note that reasons or user group limitations do not apply when moving stock to a location with a predefined quality status.

2.11. Reasons tab

Define the reasons that can be used in Produmex WMS flows on the Reasons tab. A reason might be required to perform certain actions or to explain why a specific action cannot be completed or a specific item cannot be used.

Add the code, name and sequence number of the reason. The sequence number defines the order the reason is shown on the terminals.

Then specify when the reason can be used by checking the corresponding checkbox.

If extra explanation is needed, check the 'Requires extra reason text' checkbox as well.

2.12. Connection between Reason & Location suggestion

For more information about location settings follow this link to the Location controller site.

When the location suggestion is enabled, the system will suggest a location for the stock that is being moved in the following flows:

- Reception *(In case of receiving on location instead of dock)*
- Put away
- Ad hoc moves
- Move orders
- Unpicking for production
- Undo picking
- Consolidated moves

When a destination location needs to be entered these flows will perform the following scenario:

Check if location suggestions are enabled
Enabled:

1. Get list of suggested locations
2. Show first suggested location on the screen
3. Enter a location or select a location
    1. The list of suggested locations is displayed on the screen after the ‘Select location’ button is pressed
4. When the location is not the first suggested location or an empty location:
    1. Enter a reason

Not enabled:

1. Enter a location or select a location
    1. All valid locations are allowed

Example - Ad Hoc Movement with default location and location suggestion

Let's see a simple example for an **Ad Hoc Movement** and how to configurate the settings in **Item Master Data** for in Item that has to be asked for a reason to move to a Zone or out of the the Zone.

1. Make sure you enabled the **“Use Location Suggestion?”** option in your selected Warehouse where the preferred Zone is located for the Ad Hoc Movement. In this case I will use the **GeneralWarehouse (01)**.

2. As a next step configurate the chosen Bin under the preferred Zone.
GeneralWarehouse (01) → Zone for logisticWh01 → B.0009

3. Select and configurate the default location on **Item Master Data → Produmex → Inventory** tab for your chosen Item.

4. Open the Mobile Client to process the Ad Hoc Movement.
Logistics → Move → Ad Hoc Movement → Local Move → Full Logistic Unit
Now **“Scan an SSCC”**, in the example the Item's SSCC is **“00000000000000000314”**. Clicking on the forward button, as expected the default location is suggested on the bottom of the Mobile Client as we configurated.

5. **If you are selecting a Bin that is NOT the suggested location, the system will ask for a reason.**Select and write your reason ant the Ad Hoc Movement will be done.

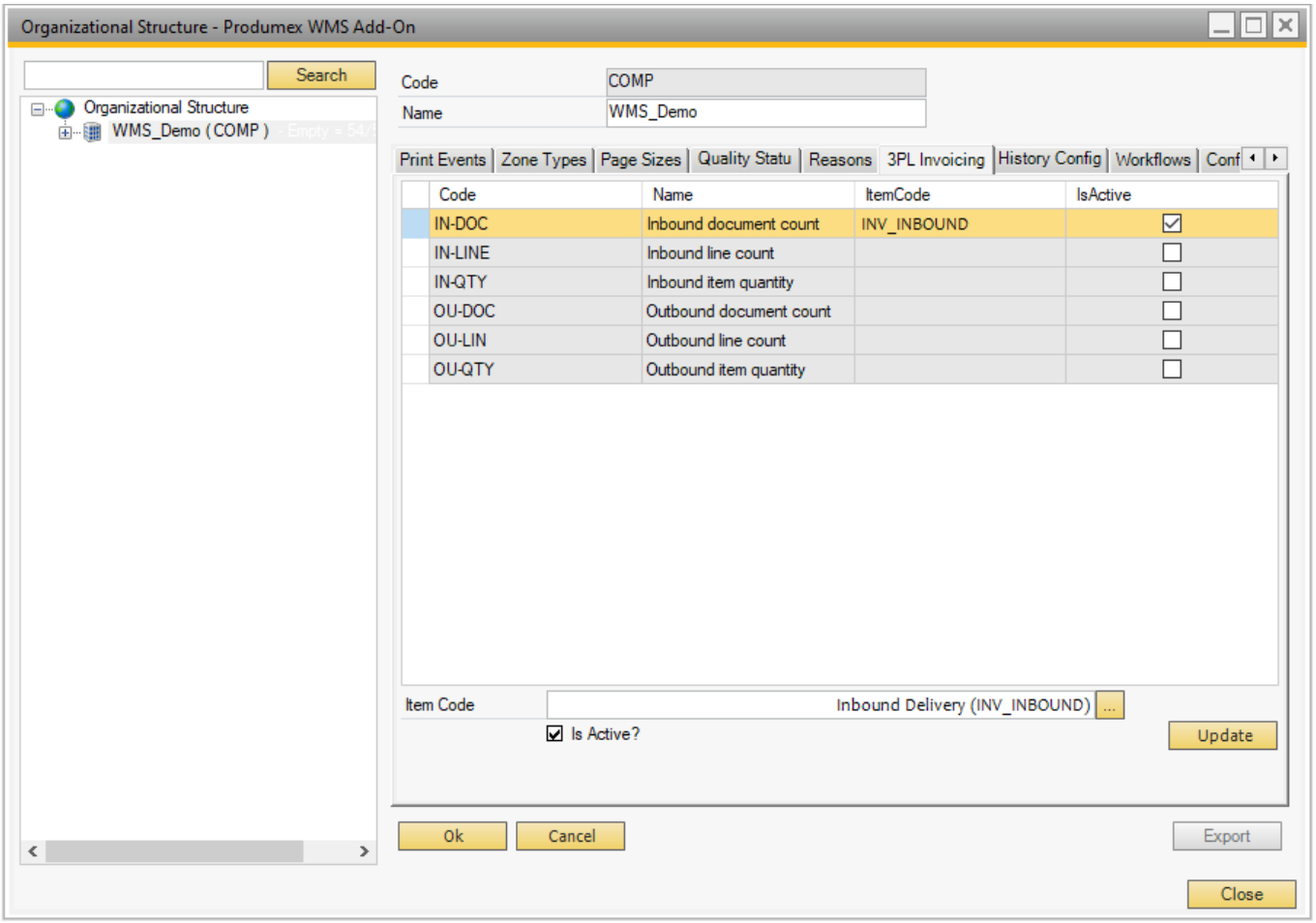
2.12. 3PL Invoicing tab

The 3PL Invoicing tab allows for defining the items to be used on the A/R invoices sent to the 3PL customers. 6 items can be defined, each corresponding to one type of 3PL price calculation:

- Inbound document count: price depending on the number of Goods Receipt POs
- Inbound line count: price depending on the number of lines in Goods Receipt POs
- Inbound item quantity: price depending on the item quantities received
- Outbound document count: price depending on the number of sales deliveries
- Outbound line count: price depending on the number of lines in sales deliveries
- Outbound item quantity: price depending on the item quantities delivered

Only non-inventory items can be selected and each item can be enabled or disabled. Prices corresponding to disabled items are added to the 3PL invoices.

In addition to the 6 types of 3PL price calculations, it is also possible to define 3PL price calculations based on the storage per location type. See section Location Types.



2.13. History Configuration tab

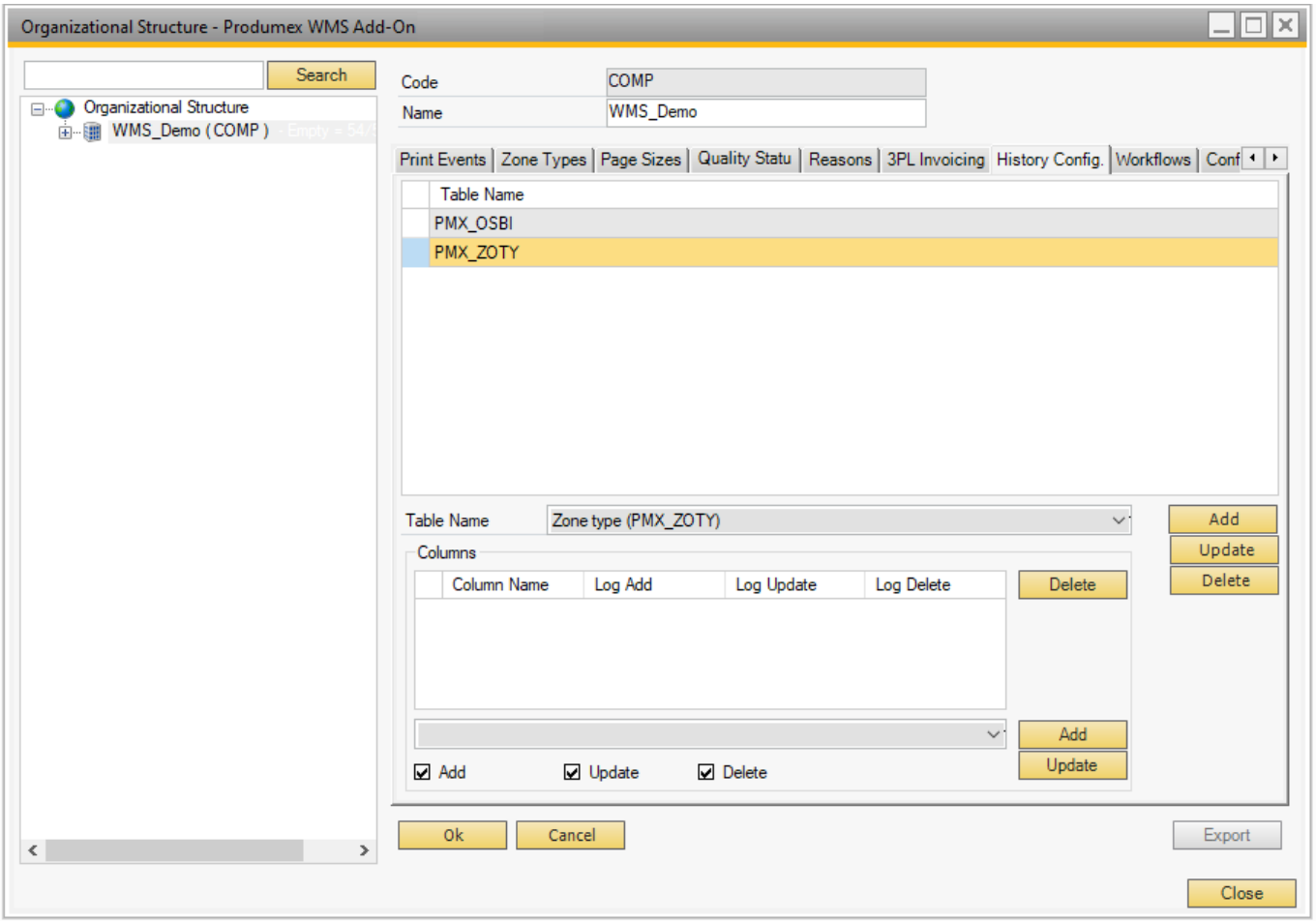
The History Configuration tab offers the possibility to define for which elements or aspects (which are

stored in individual database tables) the changes have to be tracked in the context of Audit Trail.

This can be changes to characteristics of specific Organizational Structure Elements (e.g. a bin, a zone, a production line, …) which need to be tracked, such as their name, zone type code, …

It may also be necessary to track changes to specific characteristics of items, such as e.g. the shelf life of an item for the various business partners of a company. This is shown in the example below, where it has been configured that for the table “Item shelf life for partner” it has to be recorded when the shelf life for a specific item for a specific business partner is added, updated or deleted.

These changes will then be tracked by the Produmex Office function Audit Trail.



2.14. Workflows tab

The Workflows tab of the Organizational Structure lists the workflows used by the system and makes it possible to adjust the workflows.

The the columns displayed in the table of workflows include:

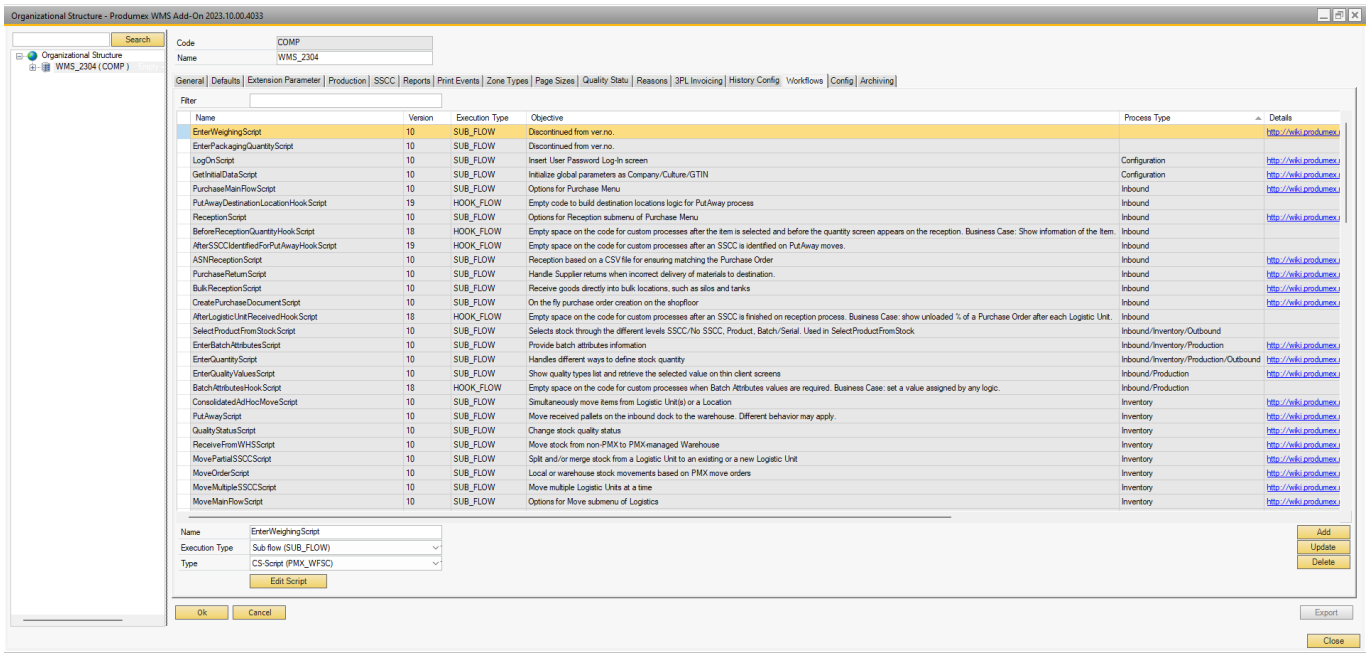
- Name: Displays the name of the workflow.
- Version: Indicates the version of the workflow.
- Execution Type: Specifies the type of execution associated with the workflow.
- Objective: Provides a brief description of the workflow's purpose.

- Process Type: Indicates the related process type (e.g., inbound, outbound, production, printing).
- Details: Contains a working link to the workflow description in the wiki (if available).
- Type: Specifies the type of the workflow.
- Update Date Time: Displays the most recent update date and time of the workflow.

In the Filter field, users can narrow down their searches for Workflow scripts. the filter is not case sensitive, does not support wildcards, and has a maximum character limit of 100. As text is entered, the table will dynamically update, showing only the workflow lines where the Name column contains the entered text.

When editing a Workflow script after pressing the 'Edit Script' button, line numbers now help overseeing the code.

Modifying workflows can cause serious disruption of processes and even data corruption. Extreme Caution is advised. It is recommended that only experienced WMS Consultants attempt to modify these workflows. Boyum IT cannot be held responsible for issues resulting from externally modified workflows.



2.15. Config tab

The Config tab list some configuration that can be done for several processes and customer specific configuration can be stored here.

Google API key

- Route maps: An API key is needed to run the Google maps functionality.
- Each customer needs to get his own API key to be entered in the Google API key field.
- The Google API key must be created here and its status must be set to active.

For information about the ASOPLG and Create proposal settings click here.

For information on the Interface monitor settings click here.