



TECH TRADE ESSENTIALS

V1.12.0.0

**IN MICROSOFT DYNAMICS 365
BUSINESS CENTRAL**

USER SCENARIO DOCUMENTATION

Table of Contents

Table of Contents	2
Change Log.....	3
Introduction.....	4
Installation	5
Permissions Configuration	7
Setup and Usage.....	8
Orig. Unit Price and Line Discount %	8
Manual price	8
Price Signaling.....	10
Item Price Import/Export.....	12
Close old price records.....	16

Change Log

Version number	Description
V1.0.0.0	Initial released version
V1.10.0.0	<p>Added support for the following languages:</p> <ul style="list-style-type: none">- German- Norwegian- French- Swedish- Spanish- Danish <p>Deleted the item copy functionality (is now standard functionality in Dynamics 365 Business Central)</p> <p>Introduced two batches to close the old purchase and sales price records</p>
V1.12.0.0	The batches to close old purchase and sales price records now show a message once they are finished, also showing a count of updated records.

Introduction

The WSB Tech Trade Essentials extension provides a collection of features and improved and new functionalities that will benefit many Microsoft Dynamics 365 Business Central customers active in the trade sector. These functionalities are developed for companies active in the wholesale of technical goods, but not limited to those companies, as the functionalities will benefit many other customers who wholesale goods.

The extension is a collection of multiple features and will continually be improved and extended with new functionalities. Currently the extension comprises the following:

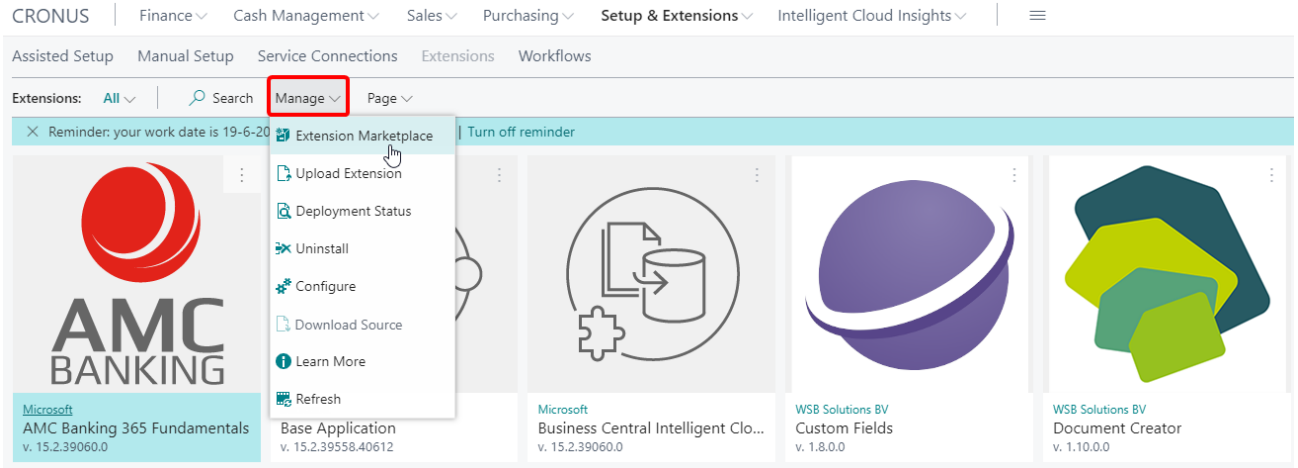
- ✓ Orig. Unit Price and Line Discount %
- ✓ Manual price
- ✓ Price Signaling
- ✓ Item Price Import/Export
- ✓ Close old purchase/sales price agreements

The details of these modules will be presented in the next chapters of this documentation

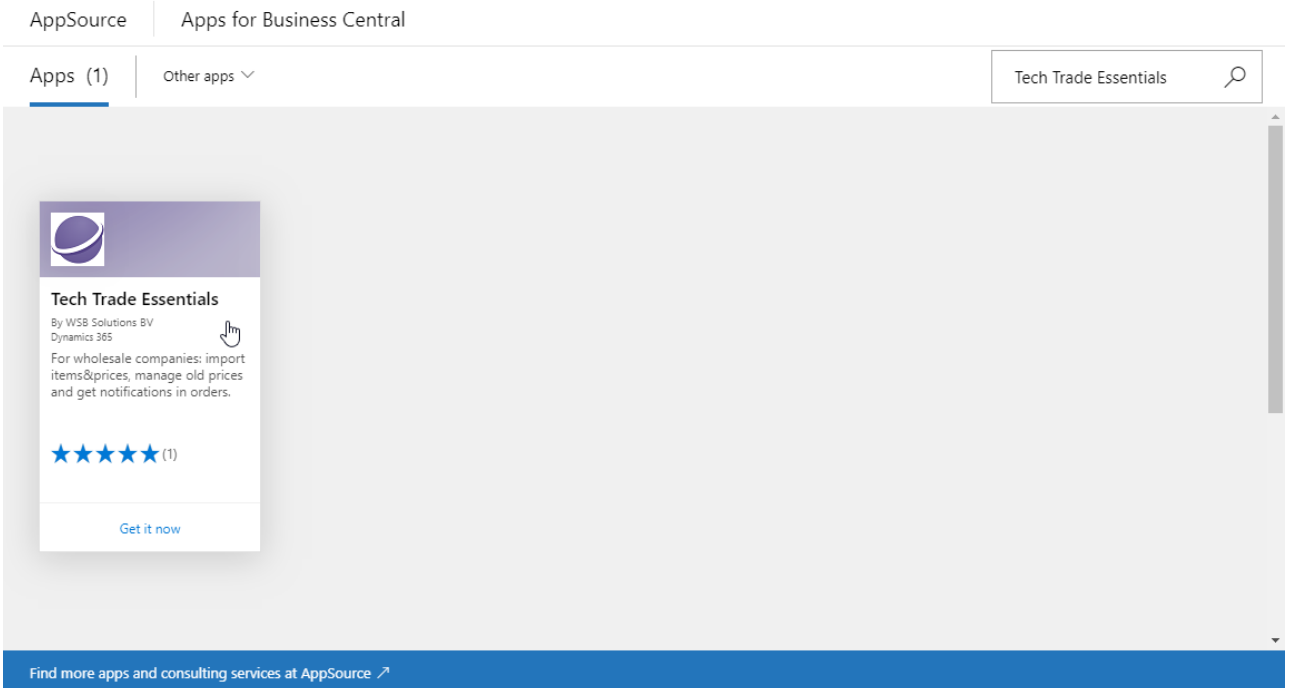
Installation

The WSB Tech Trade Essentials extension can be installed from the Extension Marketplace (AppSource). To install the extension, please follow the following steps:

1. In Microsoft Dynamics 365 Business Central, go to **Setup & Extensions > Extensions**
2. Open the Extension Marketplace (AppSource) via: **Manage > Extension Marketplace**




3. Search for and select "Tech Trade Essentials" (By WSB Solutions BV)



4. Please take note of the End-User License Agreement and Privacy Statement
5. Choose **GET IT NOW**, enter your details, and follow the further steps in the **Extension Installation** page that will open in Microsoft Dynamics 365 Business Central.

AppSource | Apps for Business Central

< Apps



Tech Trade Essentials

WSB Solutions BV

★★★★★ 5.0 (1)

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For wholesale companies: import items & prices, manage old prices and get notifications in orders.

Do you want to manage by exception, instead of checking every document? Are you a wholesaler with an extensive item database, and do you have a hard time keeping up with the suppliers price-updates? And even though you import the new prices on a regular base, you are still unsure if a price in a sales document is up to date? Let our Tech Trade Essentials app do assist you on these recurring tasks, so you can concentrate on what you do best!

With a large portfolio, maintenance of your items can be a time consuming task. Using Excel-based imports can be a time consuming task, and a small mistake can have a large impact. Excel is a great tool, and it is smart, but it can be a bit too smart. Chances are that number formats are incorrectly interpreted, causing wrong prices in your price lists. By saving the price list as a csv-file and import the csv file, you have two advantages: no more formatting issues, and a much, much shorter waiting time when you import 10-thousands of records. Missing items will be created and existing items updated. New price records will be generated and old prices records will receive an end date. When you create sales documents, sometimes you are in doubt if the price displayed is up-to date. With Tech Trade Essentials app, this is all history. When the applied sales price is older than a certain period (from setup), the price is displayed in a red font, so you can contact your supplier to check whether your price info is still up to date.

If a user changes the price, or the line discount, the system will store the original price and discount as calculated by Microsoft Dynamics 365 Business Central and it will flag the sales line as well as the entire order with a "Manual Price" checkmark. This enables a user to set a filter on sales documents with manually changed prices/discounts. This helps you to accelerate the invoice process, as you only have to check the documents with the "manual price" flag!

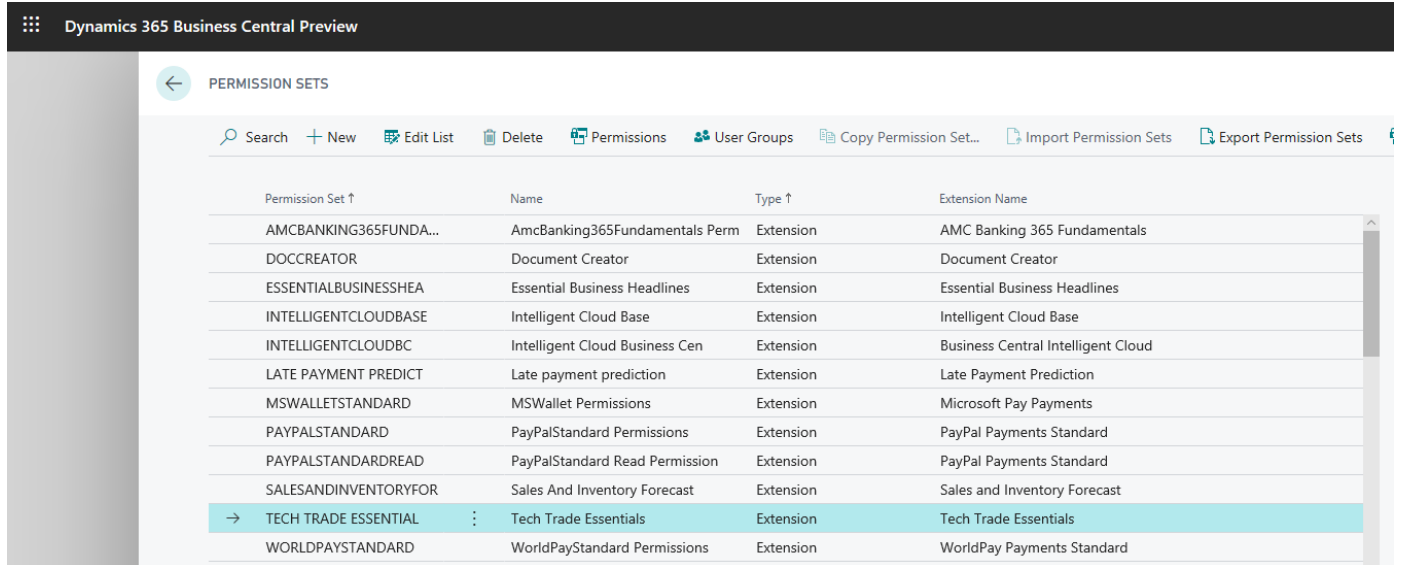
Features and benefits

- Import items and create purchase and sales prices in one run
- Close old price agreements
- Flag sales documents with changed prices or discounts
- Store the primary calculated price and discount in the sales lines
- Mark old sales prices in sales documents

Do you want to work more efficient? Just click on the "GET IT NOW" button and try the App Tech Trade Essentials for free. Or visit our [product](#)

Permissions Configuration

Once WSB Tech Trade Essentials extension has been installed, the permission set TECH TRADE ESSENTIALS has been added to the system.



Permission Set ↑	Name	Type ↑	Extension Name
AMCBANKING365FUNDA...	AmcBanking365Fundamentals Perm	Extension	AMC Banking 365 Fundamentals
DOCCREATOR	Document Creator	Extension	Document Creator
ESSENTIALBUSINESSHEA	Essential Business Headlines	Extension	Essential Business Headlines
INTELLIGENTCLOUDBASE	Intelligent Cloud Base	Extension	Intelligent Cloud Base
INTELLIGENTCLOUDBC	Intelligent Cloud Business Cen	Extension	Business Central Intelligent Cloud
LATE PAYMENT PREDICT	Late payment prediction	Extension	Late Payment Prediction
MSWALLETSTANDARD	MSWallet Permissions	Extension	Microsoft Pay Payments
PAYPALSTANDARD	PayPalStandard Permissions	Extension	PayPal Payments Standard
PAYPALSTANDARDREAD	PayPalStandard Read Permission	Extension	PayPal Payments Standard
SALESANDINVENTORYFOR	Sales And Inventory Forecast	Extension	Sales and Inventory Forecast
→ TECH TRADE ESSENTIAL	Tech Trade Essentials	Extension	Tech Trade Essentials
WORLDPAYSTANDARD	WorldPayStandard Permissions	Extension	WorldPay Payments Standard

This permission set should be assigned to relevant users or user groups.

To assign the TECH TRADE ESSENTIALS permission set to users:

1. Choose the Lightbulb icon on the top right corner of the Microsoft Dynamics 365 Business Central to open search, enter **Users**, and then choose the related link.
2. Select the user that you want to assign permission to. Any permission sets that are already assigned to the user are displayed in the **Permission Sets** FactBox.
3. Choose the **Edit** action to open the **User Card** page.
4. On the **User Permission Sets** FastTab, on a new line, fill in the Permission Set field with TECH TRADE ESSENTIALS

For more information, please refer to Dynamics 365 Business Central documentation - [Managing Users and Permissions](#)

Setup and Usage

This chapter provides details about how to set-up and use the various modules of this extension and will present several examples and scenario's to demonstrate the functionalities. A basic understanding of how to work with Microsoft Dynamics 365 Business Central is presumed.

Orig. Unit Price and Line Discount %

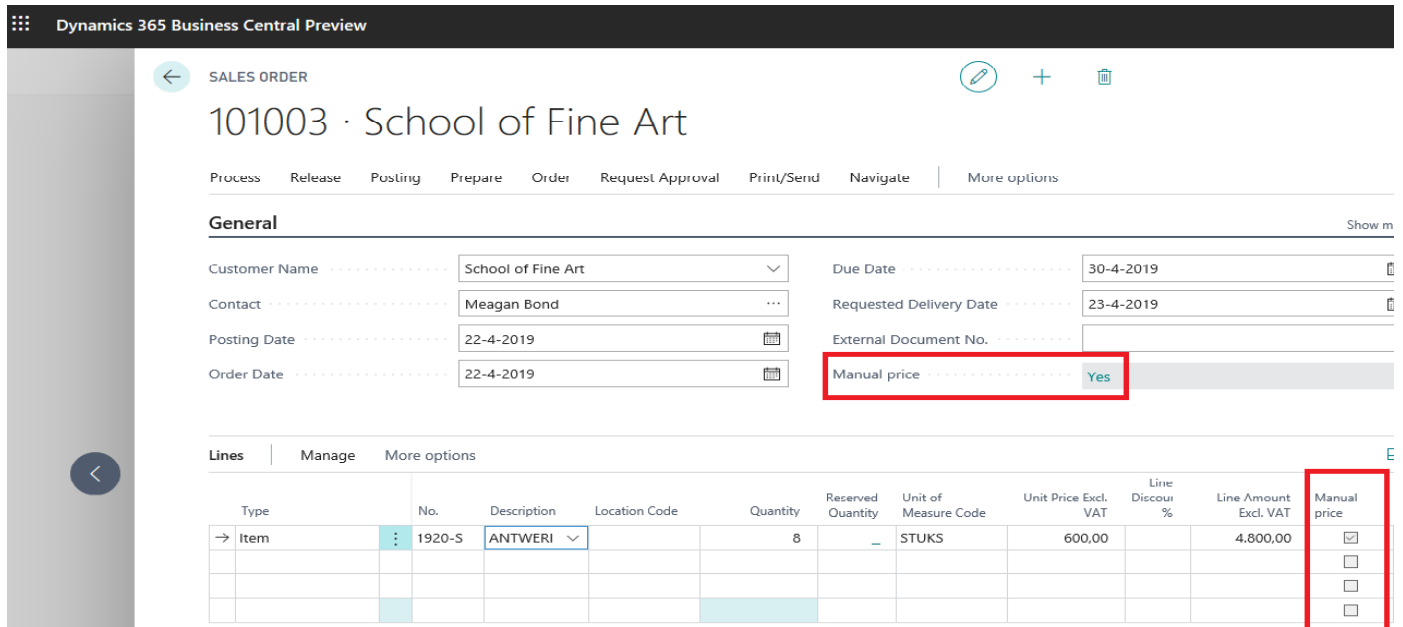
Two fields are added to the Sales Line table, i.e. "Orig. Unit Price" and "Orig. Line Discount %". These fields will contain the original "Unit Price Excl. VAT" and "Line Discount %", which were suggested by Microsoft Dynamics 365 Business Central based on the best price principle, when the line was entered. When an user decides to overrule the "Unit Price Excl. VAT" or "Line Discount %" these fields will not be changed.

The fields "Orig. Unit Price" and "Orig. Line Discount %" are also added to all other tables associated to the sales process, i.e. "Sales Quote Line", "Sales Order Archive line", "Posted Sales Shipment Line" and "Posted Sales Invoice Line" as well as in the return order process tables and pages.

Manual price

This module is built on the previous module. An additional field called "Manual Price", is added to the Sales Line. When an user decides to change the "Unit Price Excl. VAT" or "Line Discount %" manually, this Boolean field will change its value to True. This is triggered by the fact that either the "Unit Price Excl. VAT" or the "Line Discount %" deviates from the "Orig. Unit Price" resp. "Orig. Line Discount %".

In example below in the first line the "Unit Price Excl. VAT" was changed manually and in the third line the "Line Discount %" was added manually.



Dynamics 365 Business Central Preview

SALES ORDER

101003 · School of Fine Art

Process Release Posting Prepare Order Request Approval Print/Send Navigate More options

General Show m

Customer Name School of Fine Art Due Date 30-4-2019

Contact Meagan Bond Requested Delivery Date 23-4-2019

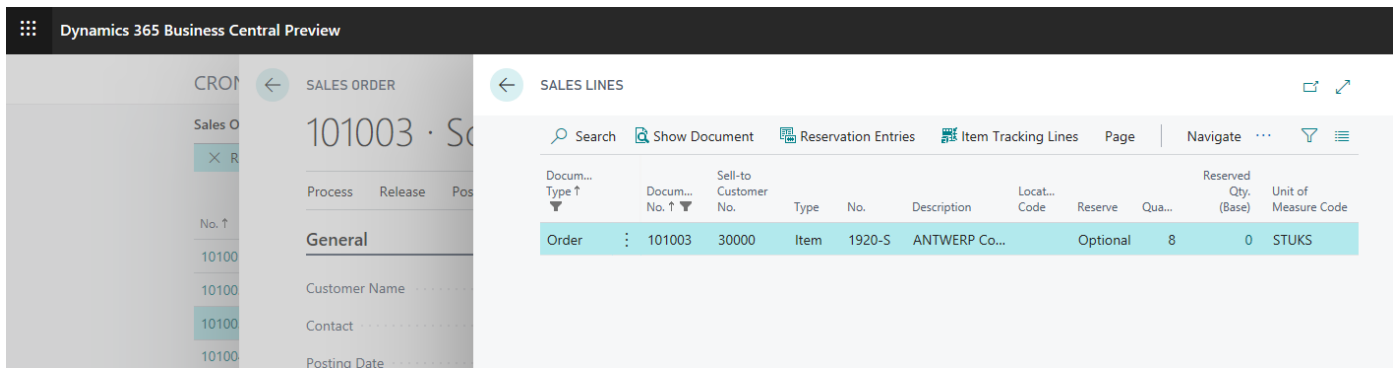
Posting Date 22-4-2019 External Document No.

Order Date 22-4-2019 Manual price Yes

Lines Manage More options

Type	No.	Description	Location Code	Quantity	Reserved Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Discou %	Line Amount Excl. VAT	Manual price
→ Item	1920-S	ANTWERI		8	-	STUKS	600,00		4.800,00	<input checked="" type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>

Also in the "Sales Header", a field "Manual Price" is added. When one or more of the "Sales Lines" in the "Sales Order" contains a "Manual Price", the value of this field in the header will change to Yes, see picture above. You can select the value Yes to display a list of all the lines in the Sales Order, which contain a manual price:



The field "Manual Price" is also added to the header and lines of all other tables and pages associated to the sales process, i.e. "Sales Quotes", "Sales Order Archive", "Posted Sales Shipments" and "Posted Sales Invoices" as well as in the return order process tables and pages.

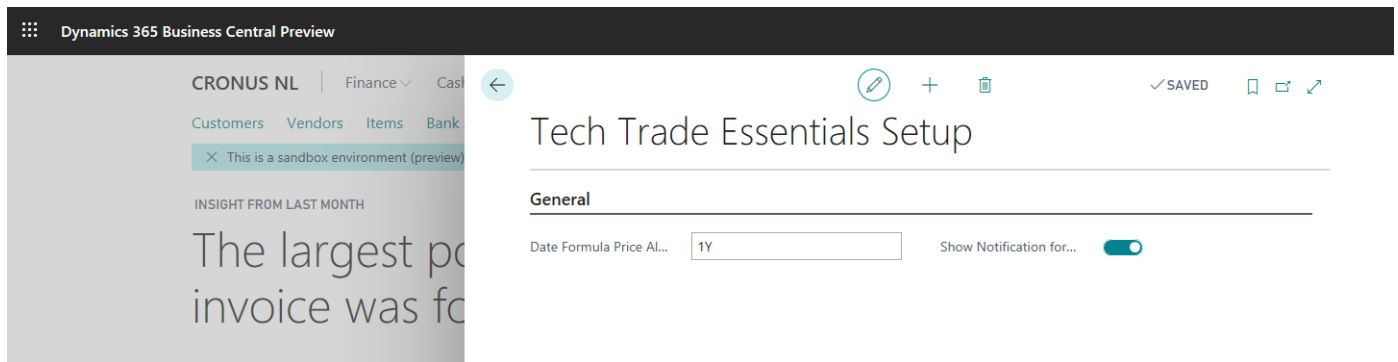
You can use this functionality in order to control margins and sales performances and keep track of how often prices and discount % are changed manually. You can also use this functionality for example in a workflow as a criterion for approval.

Price Signaling

Many wholesale companies regularly receive price and discount lists from their suppliers, on which their own pricing is based. Since these lists often contain large amounts of items and prices, these tables are quite complex to manage and you want to make certain that the “Sales prices” and “Sales discount lines” contain actual information when a “Sales Order” or “Sales Quote” is made.

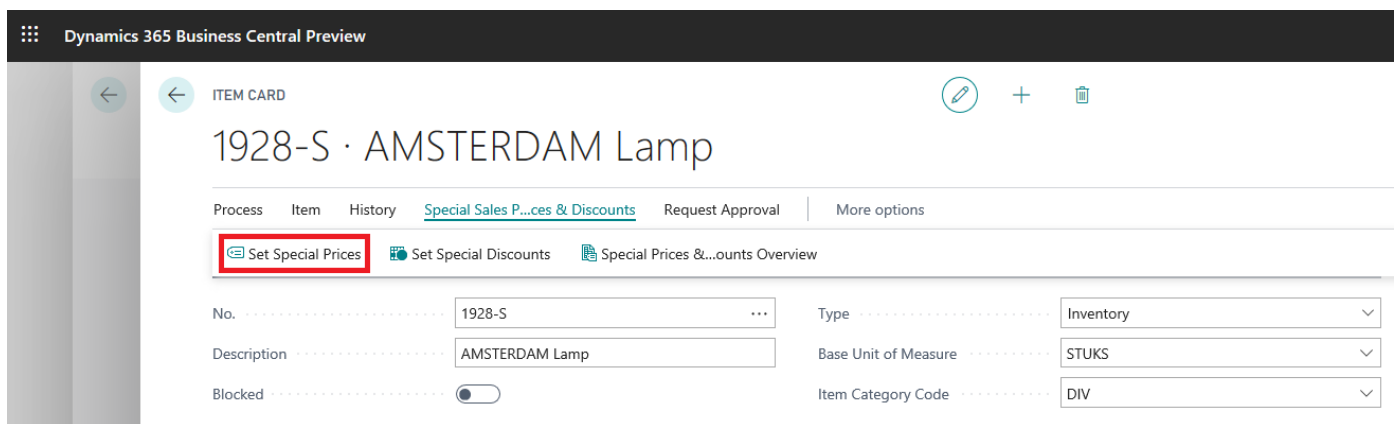
If a “Sales Line” is entered that contains a price, based on an “old” “Sales Price” or “Sales Line Discount %”, the value of the “Unit Price Excl. VAT” will be displayed in red.

To use this signaling, navigate to “Tech Trade Essentials Setup” to set a “Date Formula Price Alert”.



This “Date Formula” will calculate whether signaling should be applied. The calculation is based on the “Starting Date” of the “Sales Price” or “Sales Discount Line” for the particular Item (Group) and Customer (Group).

Consider the scenario below by Navigating to “Items” and selecting an Item, i.e. “1928-S” in example below and select “Special Sales Prices & Discounts” and subsequently “Set Special Prices”:



Create a “Special Price” for a Customer with a Starting Date in the past that is longer ago than the “Date Formula Price Alert” based on the “Working Date”

Dynamics 365 Business Central Preview

ITEMS ITEM CARD ITEM 1928-S

Notifications

1896-S ATHENE Ta 1.005,80

1928-S

Sales Prices

Search + New Edit List Delete Page More options

General

Sales Type Filter: None Starting Date Filter: []

Sales Code Filter: [] Currency Code Filter: []

Item No. Filter: 1928-S

Sales Type ↑	Sales Code ↑	Item No. ↑ ▾	Unit of Measure Code ↑	Minimum Quantity ↑ ▾	Unit Price	Starting Date ↑	Ending Date
→ Customer	10000	1928-S	STUKS	0	10,00	1-1-2018	

Create a "Sales Order" for this customer and a "Sales Line" with this "Item No." and for example an "Order date" of 4/8/2019, see picture below. The price in the field "Unit Price Excl. VAT" will be shown in red color as a signal that the "Sales Price" or "Sales Discount %" is overdue:

Dynamics 365 Business Central Preview

SALES ORDER

101005 · Adatum Corporation

Starting Date of current price is 01-01-18 for item 1928-S.

Process Release Posting Prepare Order Request Approval Print/Send Navigate Actions Navigate Fewer options

General Show more

Customer Name: Adatum Corporation Due Date: 8-5-2019

Contact: Loek Walravens Requested Delivery Date: []

Posting Date: 8-4-2019 External Document No.: []

Order Date: 8-4-2019 Manual price: No

Lines	Manage	Line	Order	Page	Fewer options					
Type	No.	Description	Location Code	Quantity	Reserved Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Discou %	Line Amount Excl. VAT	Manual price
→ Item	1928-S	AMSTERDAM I		1	-	STUKS	10,00		10,00	<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>

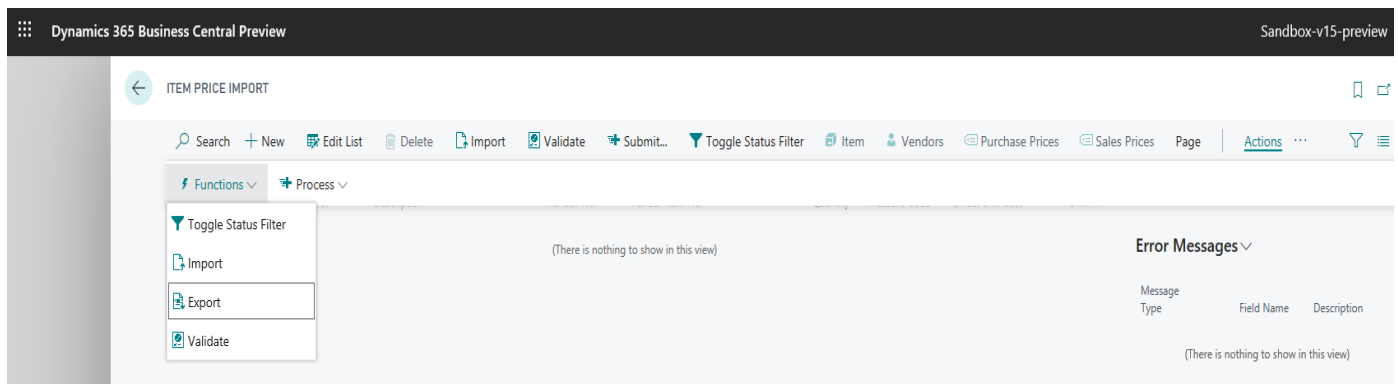
Item Price Import/Export

As indicated before, managing and maintaining the large Sales and Purchase Price tables can be quite cumbersome. It is quite common that suppliers provide new price lists once or more times each year and that you as a wholesale trader need to update your sales prices as well at the same rate. Furthermore, these lists may contain items that are not present in Microsoft Dynamics 365 Business Central yet. Although RapidStart provides the opportunity to import these type of data, this functionality is not very flexible.

Tech Trade Essentials comes with a flexible import functionality that can not only import purchase and sales prices at the same time, but also create items if the item is new. It is also not required to have your own “Item No” in the import document, as the import function will also recognize the item based on the “Vendor Item No.” and “Vendor No.”

Furthermore, this function circumvents several issues you may encounter with differences in the formatting of the dates and numbers between the import files and Microsoft Dynamics 365 Business Central, because this function is based on a csv-format (comma separated).

To use this functionality, navigate to “Item Price Import”. It is advised to start with an export, even though the table may be empty, to create a csv-export file in which it is clear what the order of the columns in the import file should be. To do this select Actions > Functions > Export.



A file under the Name “ItemPricesExport.csv” is saved in your local Downloads folder. When you open this document in Excel you will find the following columns which are used for the import:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Vendor No.	Vendor Item No.	Item No.	Description	Minimum Quantity	Direct Unit Cost	Unit Price	Starting Date	Ending Date	Tariff No.	Country/Region of Origin Code	Net Weight
2												
3												

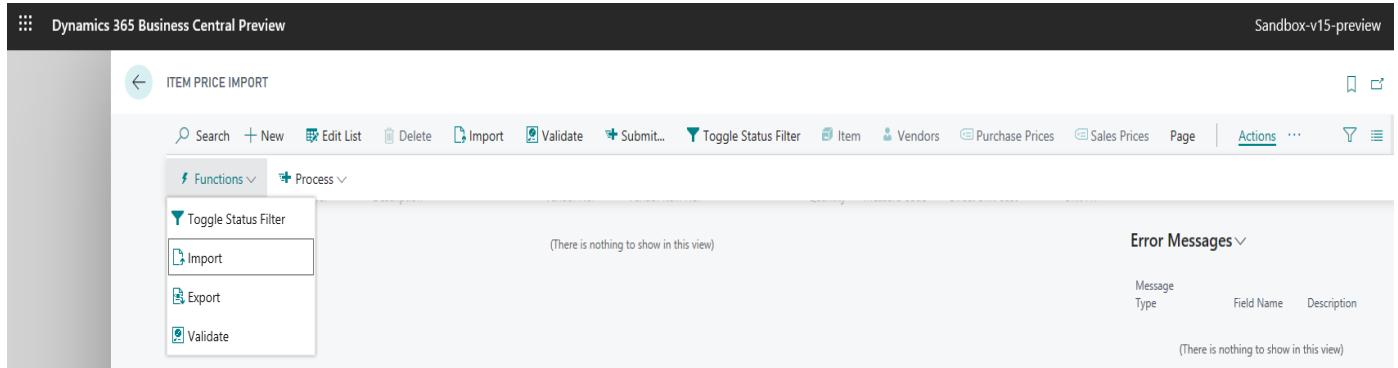
With this mapping you can convert your data to this lay-out. Once you have done this, you need to save the file as a csv-file. You don’t need to delete the first row containing the column headers as the import will automatically discard these.

Consider the following scenario in which there are 4 records in an import file:

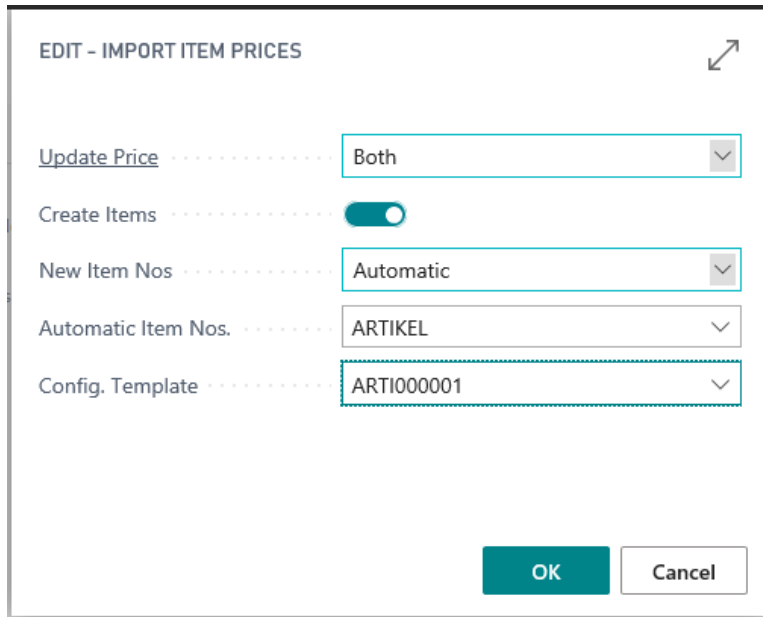
	A	B	C	D	E	F	G	H	I	J	K	L
1	Vendor No.	Vendor Item No.	Item No.	Description	Minimum Quantity	Direct Unit Cost	Unit Price	Starting Date	Ending Date	Tariff No.	Country/Region of Origin Code	Net Weight
2	20000	45455		Item 01	1	10	20	1-1-2019	12-31-19		CN	
3	20000	11111		Item 02	1	20	40	1-1-2019				
4	60000	AG0123		Item 03	1	30	60	2-1-2019				
5	30000		1928-S	Item 04	1	40	80	3-1-2019				

In the first 3 records there is no “Item No.”, but “Vendor No.” and “Vendor Item No.” are given. Furthermore, for all rows there is a “Direct Unit Cost” and “Unit Price” and a “Starting Date”. Furthermore, there is also the possibility to import / adjust the “Tariff No.”, “Country/Region of Origin Code” and/or “New weight” of the items.

To import a file, select Actions > Import from the “Item Price Import” page.



A pop-up appears where there are several options to choose:



In “Update Price” you can select “Unit Cost”, “Unit Price” or Both.

- ✓ If you select “Unit Cost” both the “Unit Cost” on the Item card as well as a record in the “Purchase Price” table is updated or inserted. The “Unit Cost” on the Item card can only be modified if the Microsoft Dynamics 365 Business Central logic allows that. For example the “Unit Cost” of items with “Item ledger entries” present cannot be modified.
- ✓ If you select “Unit Price” both the “Unit Price” on the Item card as well as a record in the “Sales Price” table is updated or inserted. This “Sales Price” record will be a record for all Customers.
- ✓ If you select Both, obviously both options above will be executed.

If “Create Items” is selected, new items will be created for records in the import file for which no items could be found in the database. In that case both the “Item No.” in the import must have been empty or not existing as well as the combination “Vendor No.” and “Vendor Item No.” could not be traced to an existing item.

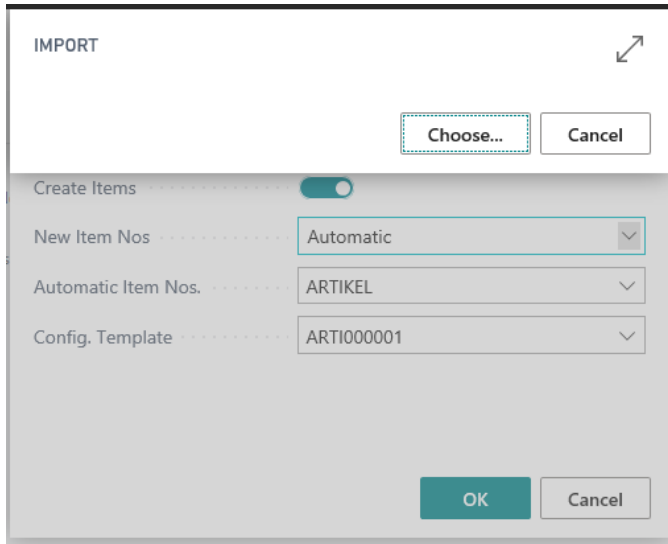
If “Create Items” is selected, you can choose out of 3 options how the new item should be numbered in the field “New Item Nos”.

- ✓ In case “Item No.” is selected, the value in the column “Item No.” in the import file is used as the new “Item No.”

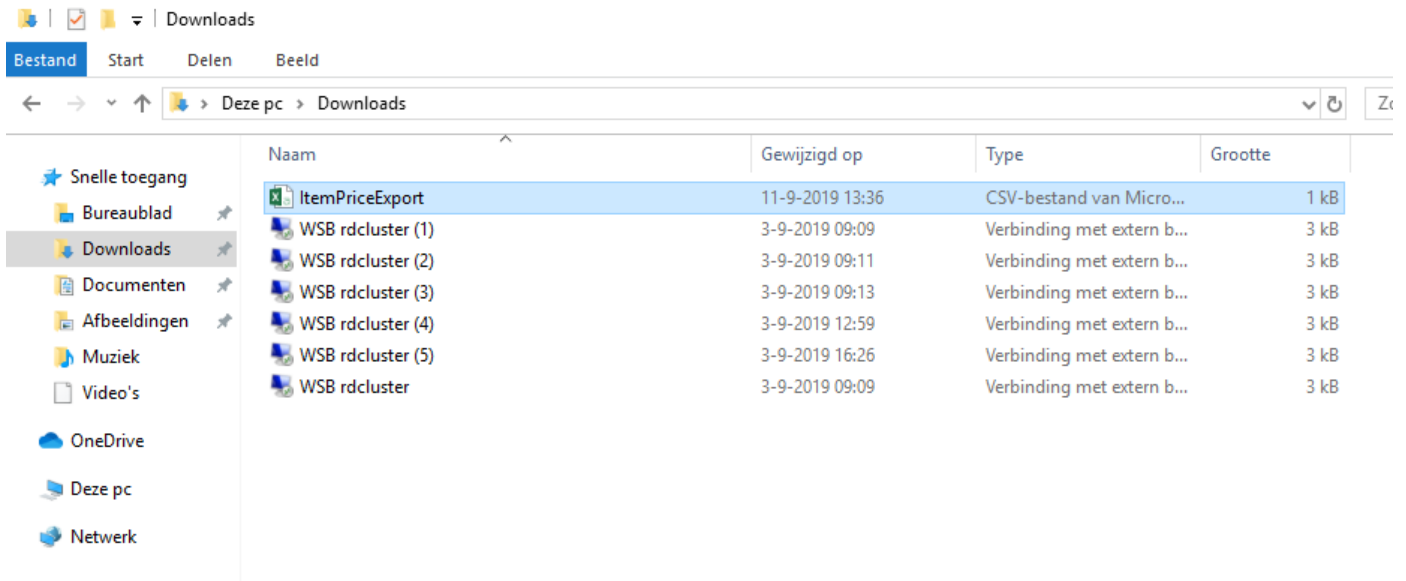
- ✓ In case “Vendor Item No.” is selected, the value in the column “Vendor Item No.” in the import file is used as the new “Item No.”
- ✓ In case Automatic is selected, a new “Item No.” is generated based on the number series properties you can select in the next field “Automatic Item Nos.”

In the last field “Config. Template” you can select the configuration template that will be used for the creation of new items. This template will be used for all new items in the same import file.

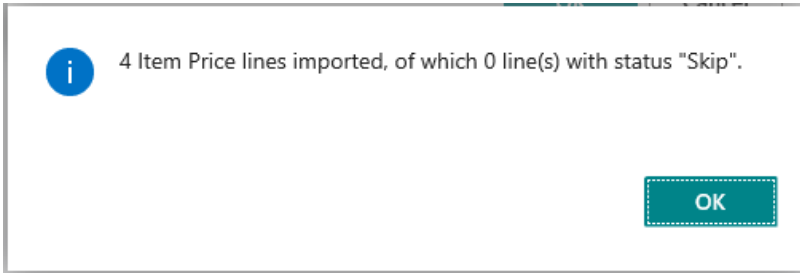
After filling out this pop-up, you can select OK, after which the following pop-up appears:



By selecting Choose, Explorer will be opened where you can select the file that you wish to import:

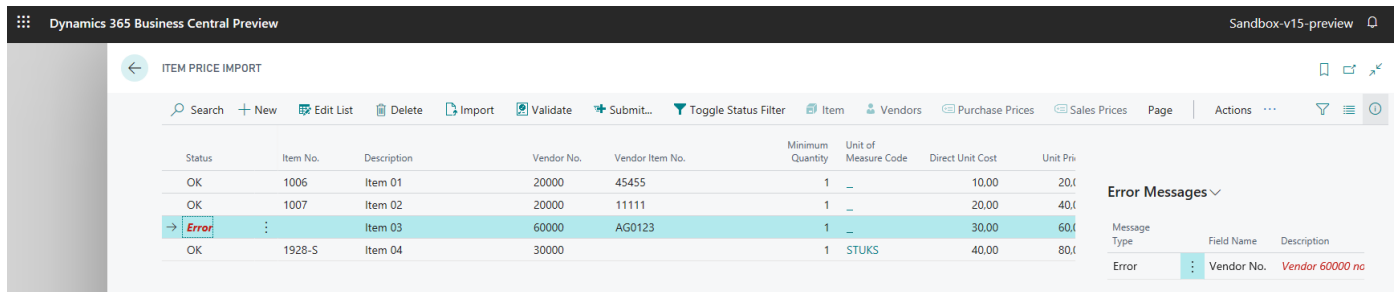


By selecting “Open” the import will start and after this has been done a message will appear, indicating how many lines have been imported:



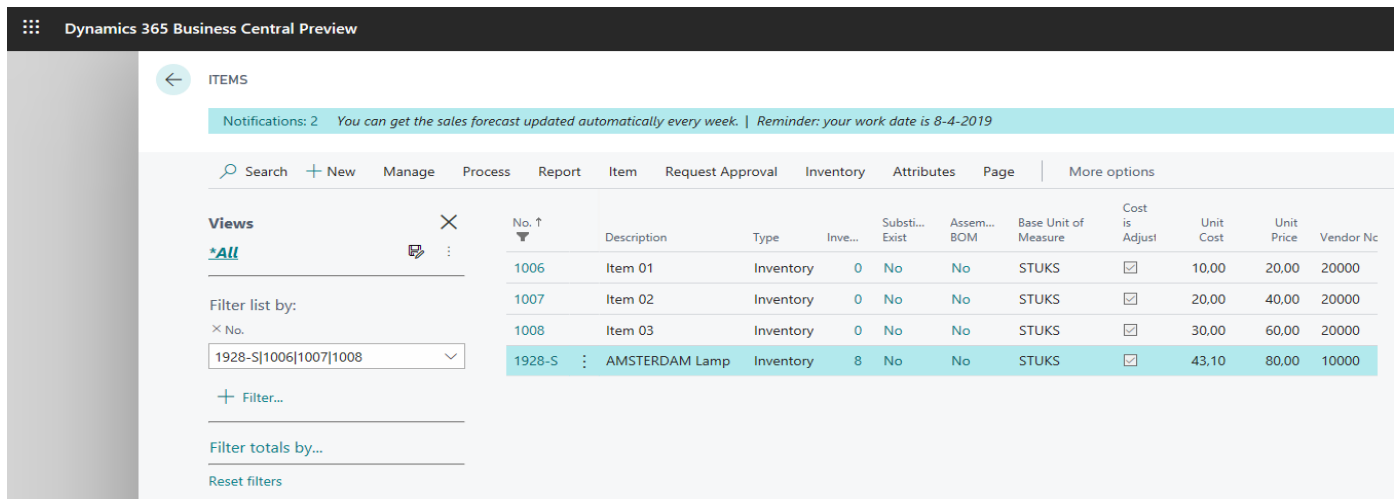
The import of the example file shown above will result in the situation, presented below. For lines 1 and 2 the “Item No.” was found based on the “Vendor No.” and “Vendor Item No.” present on the item card. Line 4 contained an item present in the database. Line 3 apparently contains a new item.

In this page you can still make changes before these lines are submitted. You can select Process > Validate to check whether the data are valid. If not, an error message will appear in the Fact box for the invalid lines. You can resolve the error messages or delete the line to proceed. If these errors are not resolved these lines will be skipped.



After the data have been checked, adjusted where necessary and revalidated you can select Process > Submit to submit the lines.

The following screenshot displays the item list, filtered for the items in the scenario, after submitting. You can see that the “Unit Cost” and “Unit Price” have been adjusted for these items except for the “Unit Cost” of item “1928-S”, where it wasn’t allowed.



If you navigate to the Sales Prices from a random item and adjust the filter settings to the items in the scenario, you will also see that records are generated for these items as well:

SALES PRICES ✓ SAVED

Reminder: your work date is 8-4-2019 Use today | Change to... | Turn off reminder

Search + New Edit List Delete Page More options

General

Sales Type Filter: None Starting Date Filter:

Sales Code Filter: Currency Code Filter:

Item No. Filter:

Sales Type ↑	Sales Code ↑	Item No. ↑	Unit of Measure Code ↑	Minimum Quantity ↑	Unit Price	Starting Date ↑	Ending Date
All Custome...		1006	STUKS	1	20,00	1-1-2019	
All Custome...		1007	STUKS	1	40,00	1-1-2019	
→ All Customer: :		1008	STUKS	1	60,00	2-1-2020	
All Custome...		1928-S	STUKS	1	80,00	3-1-2021	

Close old price records

When new prices are imported, chances are that there are old prices records, that have a starting date prior to the new records and an open end date:

ITEM 1928-S ✓ SAVED

Sales Prices

Search + New Edit List Delete Page More options

General

Sales Type Filter: None Starting Date Filter:

Sales Code Filter: Currency Code Filter:

Item No. Filter: 1928-S

Sales Type ↑	Sales Code ↑	Item No. ↑ ▼	Unit of Measure Code ↑	Minimum Quantity ↑	Unit Price	Starting Date ↑	Ending Date
All Custome...		1928-S	STUKS	0	10,00	1-1-2018	
→ All Customers :		1928-S	STUKS	0	11,00	1-1-2019	

In case the prices in the new agreements are higher, the system will still select the old price in the sales or purchase document. To prevent this, the old records should receive an end date. For this, two batches are included in the Item Price Import screen:

- Close Previous Purchase Prices
- Close Previous Sales Prices

These batches can be selected from the actions menu:

ITEM PRICE IMPORT ✓ SAVED

Reminder: your work date is 8-4-2019 Use today | Change to... | Turn off reminder

Search + New Edit List Delete Import Validate Submit... Toggle Status Filter Item Vendors Purchase Prices Sales Prices Page Actions

Functions Process

Skip	Submit...	20000	45455	1	10.00	20.00
Skip	Close Previous Purchase Prices...	20000	x1002	1	20.00	40.00
→ Skip	Close Previous Purchase Prices...	60000	x1003	1	30.00	60.00

Error Messages

Message Type	Field Name	Description
--------------	------------	-------------

When the batch is executed, the system will Search for records that have a blank ending date. If a record is found, it then searches for records with:

- the same minimum quantity
- the same item number
- the same Sales Type & Code
- the same Unit of Measure code
- new Starting Date

In case a record is found, the record with the older starting date will be updated with an ending date that is one day before the starting date of the newer record:

ITEM 1928-S ✓ SAVED

Sales Prices

Search + New Edit List Delete Page More options

General

Sales Type Filter: None Starting Date Filter:

Sales Code Filter: Currency Code Filter:

Item No. Filter: 1928-S

Sales Type ↑	Sales Code ↑	Item No. ↑ ▼	Unit of Measure Code ↑	Minimum Quantity ↑	Unit Price	Starting Date ↑	Ending Date
→ All Customers	:	1928-S	STUKS	0	10.00	1-1-2018	31-12-2018
All Customers		1928-S	STUKS	0	11.00	1-1-2019	