ASN upload

Problem definition 🔗

The main purpose of the new Partner Portal is to be able to create batch announcements. The current partner portal has two main problems in this respect, that need to be solved with a new design:

- Not all users understand that they have to wait to see if their announcement was accepted
- Users copy/paste information into the Excel sheet, changing the formatting of the spreadsheet values. The system will not accept the changed format, and not all users understand how to fix this.

Upload and validation 🔗
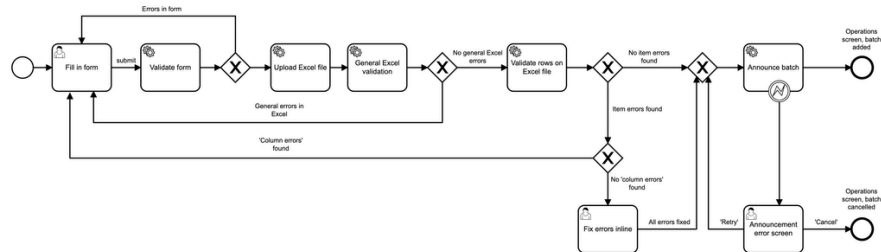
Go to the Operations screen:

Click on 'Announce batch'. You see a form:

ANNOUNCE BATCH - STEP 1/2

Delivery reference

Delivery date   Delivery time ▽

← • Morning (≤ 12 pm
  • Afternoon (> 12 pm

Notes (for yourself)

Number of pallets

Excel file
| Browse
Download template

Next →

Fill in all the data and click 'Next'. A validation on the form fields is done:

- All fields are required except Notes (also this field is out of scope for MVP)
  - i.e. "Fill in a delivery reference"
- Delivery reference must be unique for the partner
  - "Xyz already exists. Fill in a unique delivery reference."
- Delivery date must be in future and can not be today
  - "20-12-21 is in the past. Fill in a date in the future."
  - "20-12-21 is today. Fill in a date in the future."
- Number of pallets (number field) must be 1 or more
  - "Number of pallets is not valid. Fill in 1 or more."

Next the file is uploaded and the user sees a progress animation:

ANNOUNCE BATCH - STEP 1/2

Delivery reference

Delivery date   Delivery time
                     Morning   Uploading...

Notes (for yourself)

Number of pallets

Excel file
| Browse
Download template

Next →

When the upload is ready a general Excel validation is done:

- Excel file should be a valid excel file
  - "Announcement file is not valid. Choose a valid Excel file."
- All required column headers should be present
  - "Required column headers are missing. Add the headers 'ASIN' and 'Other reference' to the announcement file. Download the template to see an example."
- Data should start at the correct row number

- "No items found on row 5. Make sure the items start on row 5. Download the template to see an example.'

If that general validation does not pass, you are returned to the form, with error(s) in it.

If this validation passes, then all rows in the Excel are validated one by one. Meanwhile the user sees another progress animation:

When this is done, the errors are shown:

Just update values in the inline fields and then click on 'Retry':

The Retry-button is disabled. If the error(s) was fixed correctly, then you see a message:

eference given
e may not be empty

EAN	ASIN	OTHER REF	TI	✓ Fixed!		NTITY	ETC.
23///				Rexmarh… 150,00		2	

try

After a short time the message disappears, together with the form, and there is one error less on the page:

NCE BATCH - STEP 2/2: EXCEL VALIDATION

found. The batch announcement has not been created. Firs
errors below.

ce is not valid

EAN	ASIN	OTHER REF	TITLE	PRICE	QUANTITY	ETC.
123			iPhone 13	AAA	2	

try

This way you can clean up all errors. When you are done, the system starts announcing:

Announcing batch…
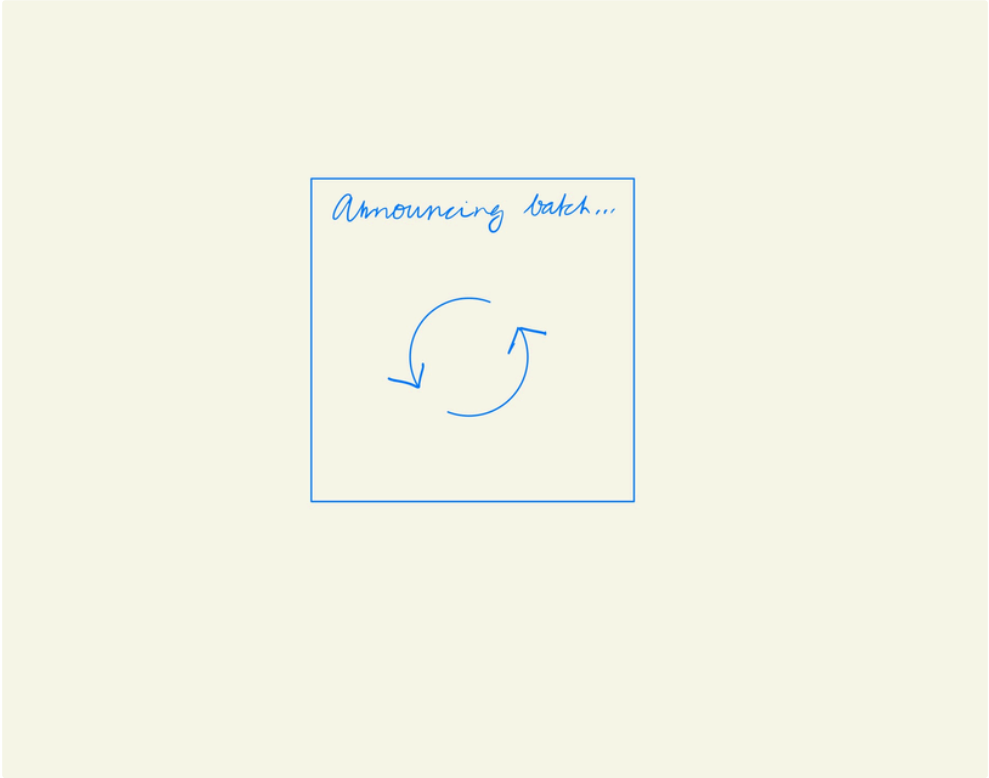
When it has done (show the screen at least for 5 seconds), you go to the operations screen:

Operations   John Doe

ⓘ Batch XY2-126 was announced, Containing 131 items with an average
   retail price of € 37,50.

OPERATIONS   [+ Announce batch]

Reference   Notes   Delivery date   Items
XY2-126   25 10-21 (morning)   180

Column errors 🔗

'Column errors' are errors that occur in every cell of a column. If that is the case in one or more columns, the system redirects the user back to the form:

ANNOUNCE BATCH - STEP V2

All items have similar errors.
• EAN has 12 digits. Enter an EAN of 13 digits (you may use a leading zero).
• Price is empty. Enter a price.
• Quantity is not a number. Enter a number.

Delivery reference
[   ]

Delivery date   Delivery time
[   ] [▽]

Notes (for yourself)
[   ]

Errors during processing 🔗

If an unexpected error occurs during the processing of the validated batch, the error is shown including the http response status:

Announcement error
The batch announcement could not be
created because of an unexpected error
('Server unavailable').
[↻ Retry] [✕ Cancel]
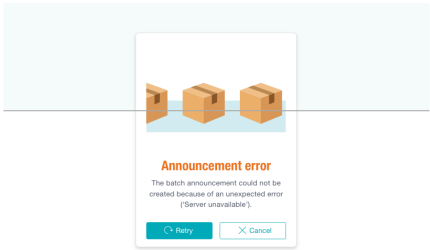
'Retry' will try to process the batch again. 'Cancel' leads to the Batch list, and shows a flash message:

Aeh XYZ-126 was not announced.

ATIONS   + Announe.

On the Verdict side we have to make sure that if an error occurs during the creation of announcements, that there will be no half batches created; if an error occurs halfway all the announcements already created are invalid.

More on the row validations 🔗

The system validates the following:

- "Enter at least one reference"
- "EAN has 11 digits. Enter an EAN of 13 digits (you may use a leading zero)."
- Same for ASIN
- "Retail price is not valid. Enter a valid price, i.e. 45,00."
- "Retail price can not be zero. Enter a price larger than zero."
- Same for Owner price
- "Quantity is not a number. Enter a number."
- "Quantity can not be zero. Enter 1 or more."

> ℹ️ See 'Formatting / ASN file' for more details on error messages.

Keyboard control during row error fixing 🔗

You can tab through all fields of a row. Enter will submit that row and:

- give focus to (the first cell of) the same row if the error was not fixed
- set focus to (the first cell of) the next row if the error was fixed

Cancelling 🔗

If you leave step 1 or step 2 before the announcement is created and confirmed with a flash message, then none of the announced items is accepted and the batch announcement will not be visible on the Operations screen.

> ℹ️ This may create a lot of garbage, we will have to clean up announced batches that are unfinished and that have not been updated for a while.

Large amounts of errors 🔗

In case there are more than 50 errors, only the first 50 errors are shown. There is link to reveal the next 50:

So if there are 151 errors, you have to click 3 times on such a link to see them all. However, I expect that most users see the pattern in the errors soon, and will choose to change the Excel file and reupload it.

When a user resolves an error and the item is resolved from the list, the system adds another one at the bottom of the list (if available), so that 50 items remain in total.

Informing BuyBay operations 🔗

When a batch announcement is created, an email is sent to a BuyBay email address, with all the details:

- Partner name
- Delivery reference
- Delivery date
- Delivery time (morning or afternoon)
- Number of pallets
- Number of returns

Downloading a template 🔗

The announcement form includes a link to the Excel template:

Formatting / ASN file 🔗

The current partner portal is very strict with formatting. This leads to error messages that not all users can fix themselves. To prevent these errors the following measures are taken:

1. There are no requirements anymore on the Excel cell formatting
2. When parsing all values are first converted to text
   a. If a user entered a *number* 1234567890123 as a reference it is changed to the string '1234567890123'
   b. If a user entered a *currency* of 4511,95 as a retail price it is changed to '4511,95'
   c. If a user entered a *string* of '4511' as a retail price it is kept (but not accepted, see 3)
   d. If a user entered a *string* of '€ 4511' as a retail price it is kept (but not accepted, see 3)
3. Prices should be validated according to the current locale: for example, for Dutch, we use a comma as a separator and a dot as a delimiter (delimiter is not required but separator is). Currency symbols are ignored.
   a. The string '4511' will be rejected (contains no separator), but '4511,95', '€ 4511,95' and '4.511,95' will be accepted
   b. The string '4511.95' will be rejected for Dutch users
4. The ASN sample file should reflect the rule above, so if we would have Dutch and English available as locales, we would need two sample files
5. The ASN sample file should include valid examples for every column for the current locale
6. Leading and trailing whitespaces are automatically removed for every field

Custom columns 🔗

Currently it is allowed to add additional columns, with any header. Bol is using this feature. This should still be allowed and the data in those columns should be stored. These columns do not need to be configured.

> ℹ️ Information in these columns are currently stored in a json hash.

Partner columns (nice to have) 🔗

In the settings we can define extra columns for each partner that will be automatically appended when a partner downloads a template. That way they do not have to add them manually. Example:

```
1  Partner:
2    Columns: MyColumn1, MyColumn2
```

We can add those columns on the fly, before the download is returned, so that we do not have to maintain a template per partner.

Other changes to the ASN file 🔗

As no partners are using 'owner category' and we do not use it either at the moment, we can remove this column. Only Bol is using 'supplier name', so it can be removed ad well, they can still add it as a 'custom column'.

Getting batch announcement details 🔗

Out of scope.

Editing and deleting a batch announcement 🔗

Out of scope.

Partners with their own depots 🔗

Two companies have its own grading and it only uses BuyBay for sales:

- Acer: only uses it's own depot (only one)
- Aces Direct: uses it's own depot (only one) and the BuyBay depot

In the settings this should be configurable. Example:

```
1  Partner:
2
3    Depots:
4
5      BuyBay: True
6
7      Other: Depot1, Depot2
```

This way we can also support users with multiple depots.

We should validate that there is at least one depot available.

Uploading 🔗

For a partner that always uses it's own depot the upload form is identical to that of regular partners.

For a partner that can use it's own depot(s) as well as that from BuyBay, the upload form has an additional field:

Here the user can select 'BuyBay' or his own depot.

Downloading a template 🔗

Like regular partners a depot owner can click on a link to download an Excel template:

There is a special Excel template for partners that use their own depot, with 3 extra columns:

- Grade
- Remark
- SKU

> ℹ️ Tech note: we can add these columns dynamically to the regular template.

A partner that always uses it's own depot will automatically download this version from the form.

For a partner that can use it's own depot(s) as well as that from BuyBay, the template sent whewn clicking on the link depends on the depot choosen under 'Use depot'. If no depot has been choosen yet, a dialogue will say 'Choose a depot first.'

Creating a batch announcement 🔗

When creating the batch announcement Grade, Remark and SKU are required. Grade should also be verified to be one of the values we use in our Camunda workflow.