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1 Introduction

1.1 Purpose of Document

This manual describes the use of TrueSource platform for the Data Source (DS) users¹.

The document structure is divided into the following main sections:

- First section provides general information about the goal of this manual.
- Second section gives detailed description about the usage of user interface
- Third section contains the Appendix with Glossary and List of Figures.

1.2 Document Conventions

This document structure is partially based on the specification standard of Rational Unified Process (RUP) methodology.

The following typographical conventions are used throughout the document:

- `Monospace` type is used to denote programming language, UML, and XML identifiers, as well as for the text of XML documents.
- *Italic* type is used to denote menu name and other names of user interface objects.

This document uses several abbreviations which long forms are located in Appendix.

1.3 Target Audience

The audience of this specification includes all assigned TrueSource subscribers whose role is DS in the GDSN-specific process.

¹ There are two parts of the user manual of TrueSource Data Pool: one manual is for DS users and one manual is for DR users. DR represents the demand side data. It can be a company that receives product information from a DS.

2 Overview

A DR (retailer, hospital, distributor, wholesaler, foodservice operator, group purchasing organization, government etc.) role is in the GDSN process to receive product information from DS.

Every DS-user of a TrueSource platform can use three main functions captured the three main tasks of a DS-user:

- Create/edit/validate/publish product **items**
- Receive and read **messages** sent by DR about you the acceptance of product item
- Receive and read **subscriptions** related to product items

These three main activities are representing by three main navigation menus in the DS-specific user interface TrueSource platform: *Items*, *Messages*, and *Subscriptions* (Fig. 2-1)². Therefore, this user manual organized around these three main menus.

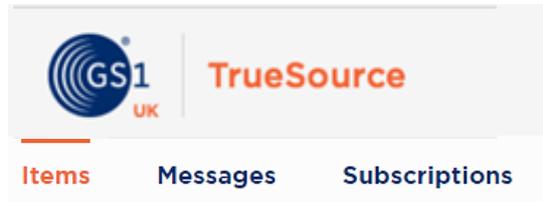


Fig. 2-1

Note: A DS-user of TrueSource platform can be **Editor** or **Viewer** or **Company administrator**. The first two roles are set by the Company administrator or Superadmin, while the Company administrator role is set by the Superadmin. Editor has full access to items, messages and subscriptions. Viewer can view items, messages and subscriptions. Company administrator has full access to items, messages and subscriptions. He/she can view, create and edit DS-company users and edit company information. If you have a company administrator role, then you can use a further function/menu (*User Management*) to manage the users of your company (Fig. 2-2). For more details about the role of a DS company administrator, see section 3.4.2.



Fig. 2-2

² The DR-specific user interface contains the menus Received Items, Subscriptions and Marketplace. If a DR-user has administrator role then you can use the menu Users as well. For more information read the *TrueSource Data Pool – Data Recipient-Specific User Manual*.

Note: Beyond this documentation, you will find another form of information: online *Help* at every place within TrueSource service website where it is necessary. You can access the content of the *Help* by clicking the corresponding *Help* label (Fig. 2-3).

The image shows a screenshot of the TrueSource web application. On the left, a vertical orange bar contains the word "HELP" in white capital letters. The main content area displays a form with several fields. The first field is "GTIN" with a "Help" icon to its right. An orange callout box with a pointer to the "Help" icon contains the text "Click „Help” and the help text appears". Below this is a text input field containing "05700001230059". The next field is "Trade Item Unit Descriptor Code" with a "Help" icon. An orange arrow points to this "Help" icon. Below this is a dropdown menu with a list of categories: Health Related Information, Health Wellness Packaging Marking, Marketing Information, Nutritional Information, Organism Classification, Packaging Information, Packaging Marking, Packaging Sustainability, Place Of Item Activity (highlighted in red), Product Characteristics, Promotional Item Information, Propellant Information, Referenced File Detail Information, and Regulated Trade Item. To the right of the dropdown is a "Place Of Item Activity" form. This form has a title "Place Of Item Activity" and a section "Import Classification". It contains several fields: "Import Classification Value" with a "Help" icon and an orange arrow pointing to it, containing the value "11223344"; "Import Classification Type Code" with a "Help" icon and an orange arrow pointing to it, containing the value "Customs Tariff Number"; "Statistical Reporting Measurement" with a "Help" icon and an orange arrow pointing to it; and "Import Classification Country Subdivision Region Of Origin" with a "Help" icon and an orange arrow pointing to it. Below this field is a sub-section "1.1" with a dropdown menu. At the bottom right of the form is a button "Add another group" with a plus icon.

Fig. 2-3

3 Details of User Interface

3.1 Menu Items

The DS-specific user interface has three main functions, but the most important and most essential window is the *Items* window, which you reach after *Log in* and Company type selection (Fig. 3-1).

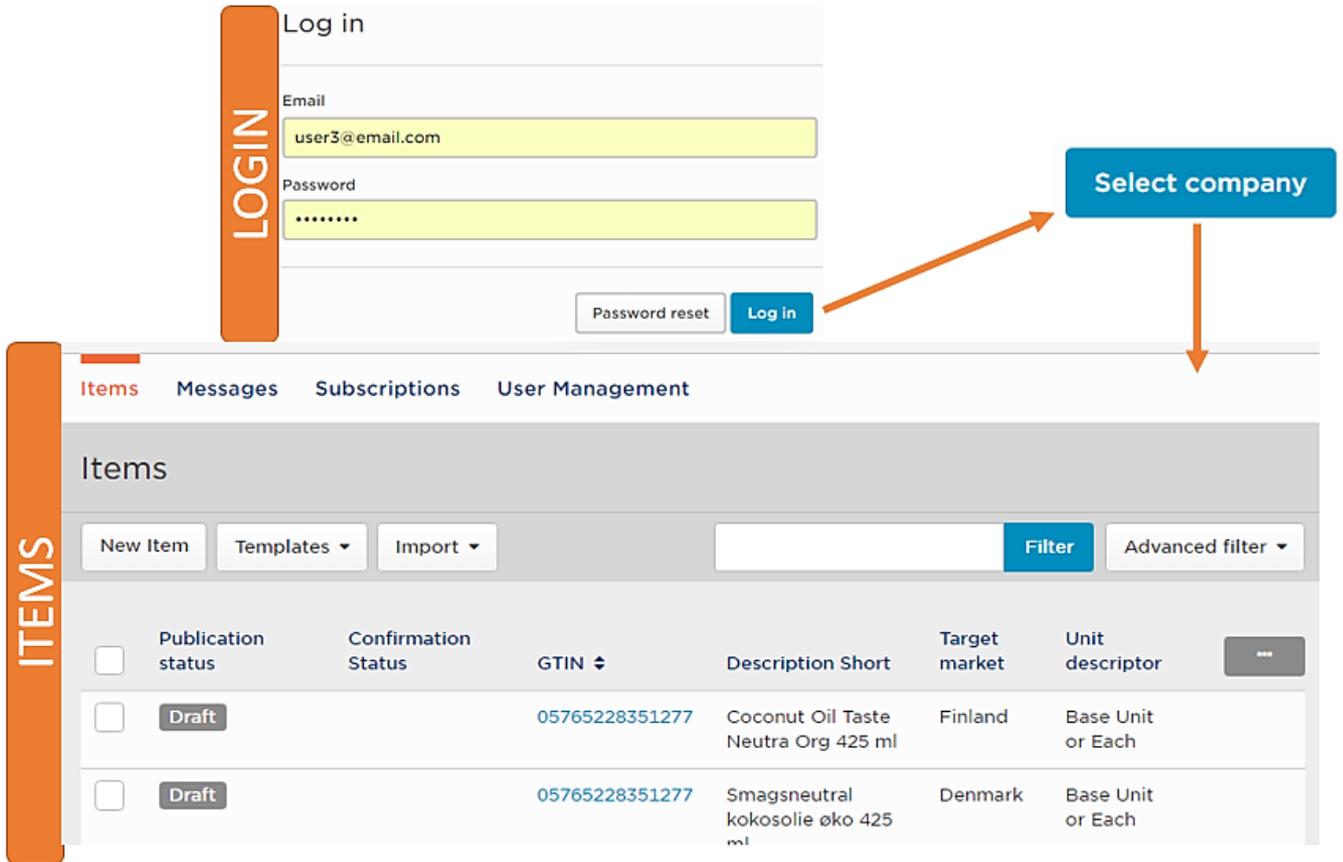


Fig. 3-1

The *Items* list always contains the next six columns (Fig. 3-1) which you can't remove from the list:

- *Publication status*
- *Confirmation status (CIC status)*³
- *GTIN*
- *Description Short*
- *Target market*
- *Unit descriptor*

Note: For more information about these properties see next subsections of 3.1

If you need to reset your password for login, then follow the next steps:

³ The whole list of CIC Statuses see in Appendix.

1. Click *Password reset* button and
2. Enter your email where you will receive instructions from administrator on how to reset your password (Fig. 3-2 **Error! Reference source not found.**).

The figure illustrates the user flow for password reset. It is divided into two main sections: 'LOGIN' and 'PASSWORD RESET'.

LOGIN Section: A vertical orange bar on the left contains the word 'LOGIN'. The main area is titled 'Log in'. It features two input fields: 'Email' with the value 'user3@email.com' and 'Password' with masked characters '.....'. At the bottom right, there are two buttons: 'Password reset' (light blue) and 'Log in' (dark blue). An orange arrow points from the 'Password reset' button down to the next section.

PASSWORD RESET Section: A vertical orange bar on the left contains the words 'PASSWORD' and 'RESET'. The main area is titled 'Password reset'. Below the title is the text 'We will email you instructions on how to reset your password.' followed by an 'Email' label and a large empty input field. At the bottom, there are two buttons: 'Reset password' (dark blue) and 'Return to login' (light blue).

Fig. 3-2

The role of *Templates* is to support and simplify the item creation. You can create a new template to a new item by the *Templates/New template* function or you can use the *Template/New item from template* function if you want to create an item from an available item template.

In the former case you actually create a new item data which can be the draft of other items (Fig. 3-3).

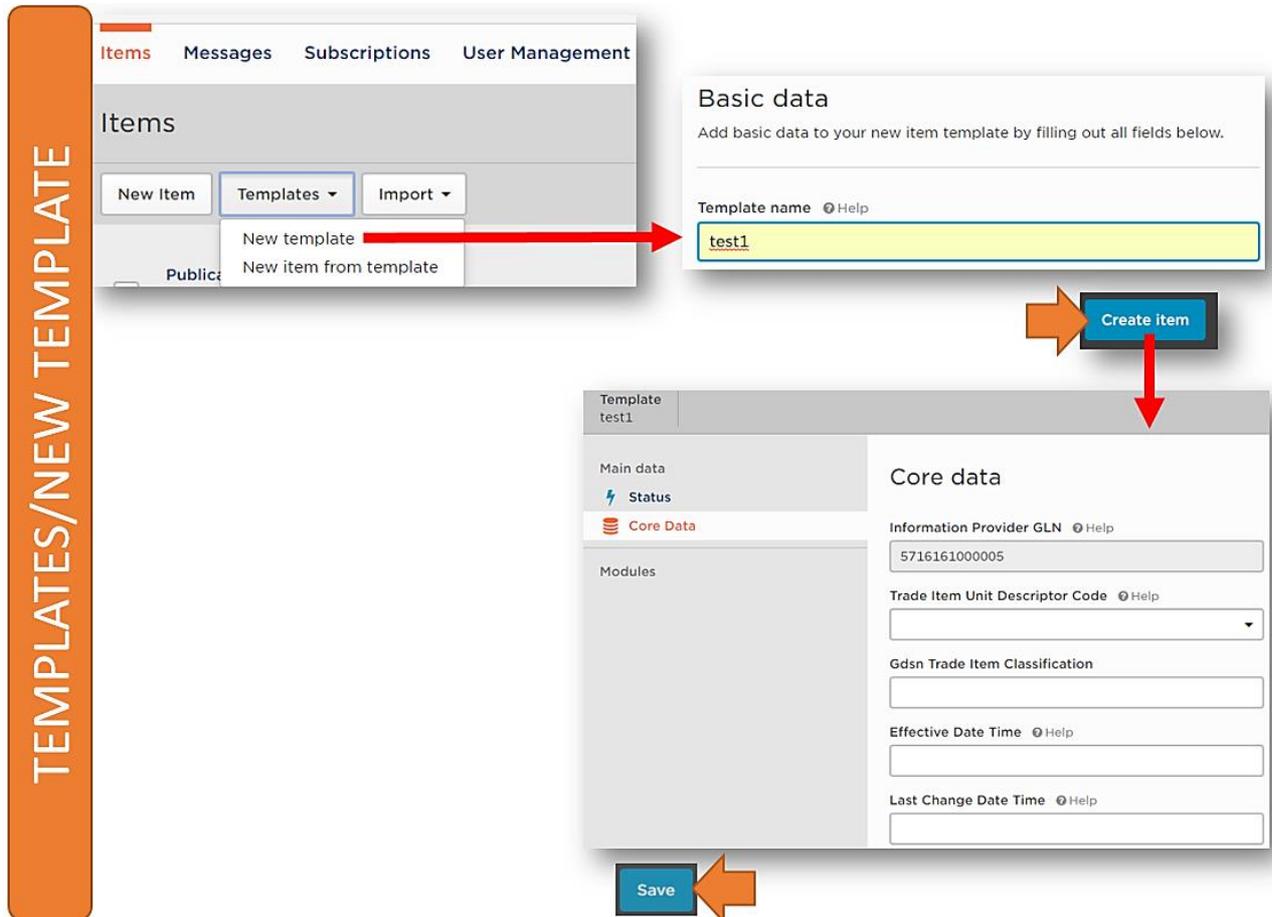


Fig. 3-3

In the latter case you can select a template from an available template list and then you add the necessary item-specific data for template (Fig. 3-4).

TEMPLATES/NEW ITEM FROM TEMPLATE

Items Messages Subscriptions User Management

New Item Templates Import

New template
New item from template

Item templates Filter

Name	Date modified
<input type="radio"/> Vaskemiddel	05/05/2016 14:03:55
<input type="radio"/> test1	10/05/2016 10:26:21
<input checked="" type="radio"/> Skabelon basisenhed test	10/05/2016 08:51:08

Confirmation
The new item will be created with the following attributes:

Template name	Skabelon basisenhed test
GTIN	05700001230011
Trade Item Unit Descriptor Code	Base Unit or Each
Target Market Country Code	Denmark
Visibility	Public
Gdsn Trade Item Classification	Pork - Unprepared/Unprocessed 10005800

Basic data
Add basic data to your new item by filling out all fields below.

GTIN Help
05700001230011

Trade Item Unit Descriptor Code Help
Base Unit or Each

Target Market Country Code Help
Denmark

Is Public
 Private Public

Additional data
The new item will be created with the following attributes:

Gdsn Trade Item Classification
Pork - Unprepared/Unprocessed
10005800

Create item

Fig. 3-4

The *Import/Import from Excel* function is to upload item data from Excel file. After file import, a new draft item is created (Fig. 3-5).

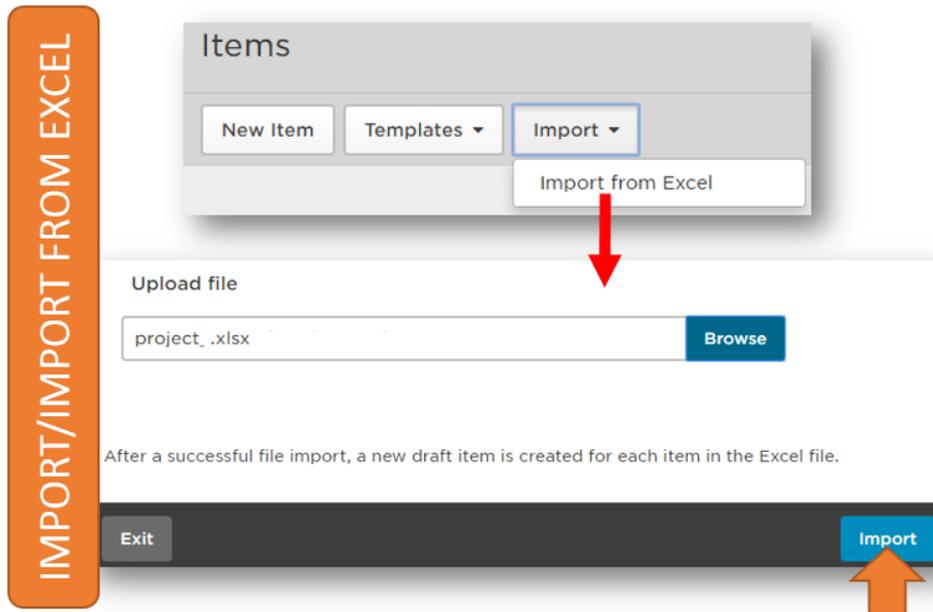


Fig. 3-5

3.1.1 Sort, Filter and Search

In the *Items* window, you will see the ordered list of your created items. Here you can search and sort your items.

You can sort by column displacement (clicking left mouse button) or sorting of column values (clicking the column title). Additionally, you can add further columns (e.g., Functional name, DR, GPC code, date, brand name) to the item table (Fig. 3-6).

Warning: The maximum number of columns to display is 10. The default not changeable columns are coloured grey in the list.

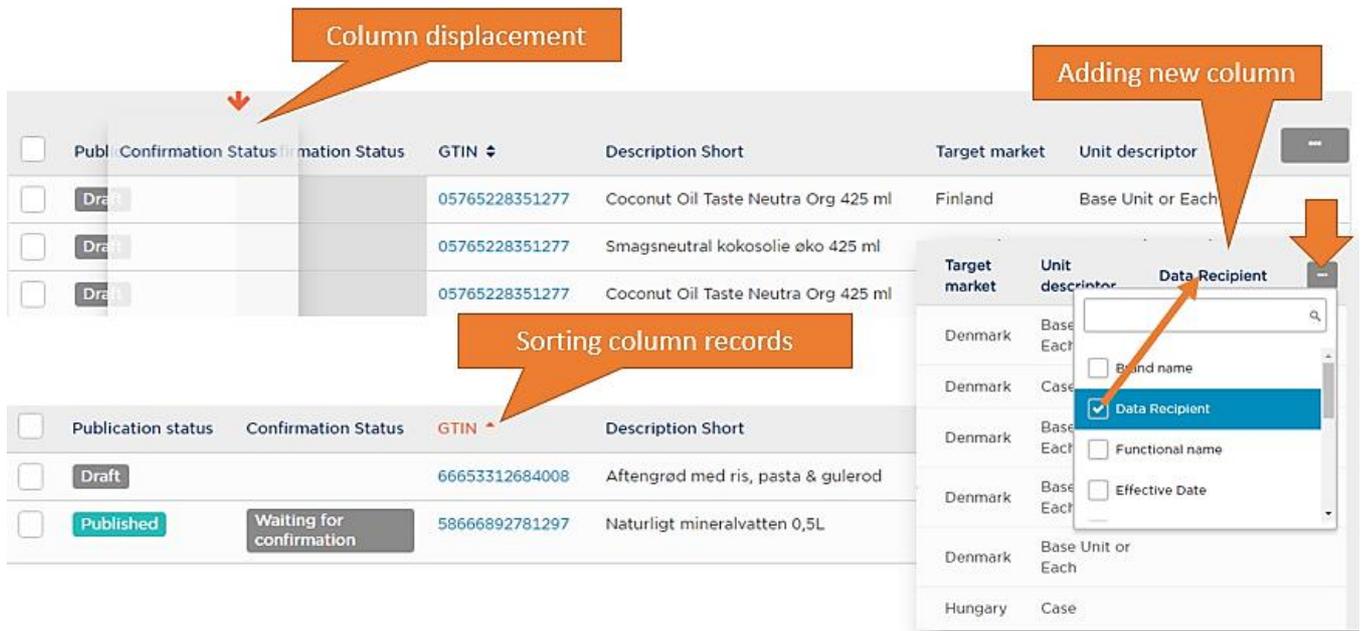


Fig. 3-6

Note: The *Publication status* may have three different values in the Items list: **Live** (when a child to a parent is published), **Draft** (when item is already created in a level but not published) and **Published**.

The search function has two main parts:

- **Simple search** function by the use of a text field: you can search by typing the corresponding text or number (GTIN, description, internal item ID of supplier, brand name or functional name) and then clicking *Filter List* button (Fig. 3-7).

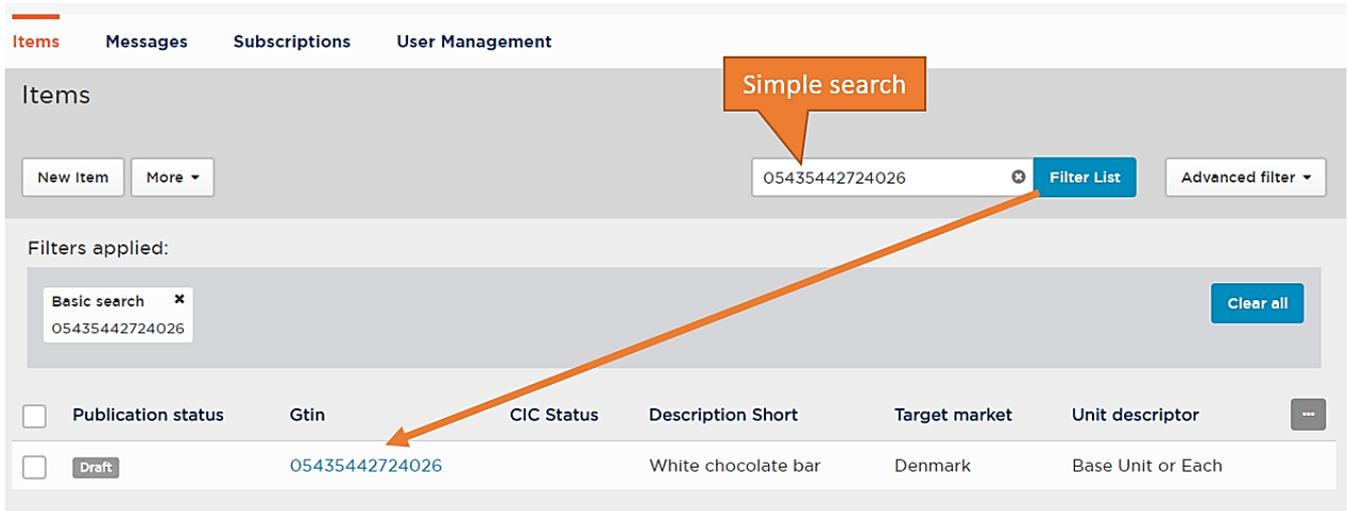


Fig. 3-7

- **Advanced search** function by the use of *Advanced filter* function: you can use multiple conditions (GTIN, description etc.) for searching as well as you can add further filters from the available filter list of *Add a filter* box (Fig. 3-8). Here you can save your filter setting by *Save preset* button or you can use an already saved setting by uploading a setting (*Load preset* button).

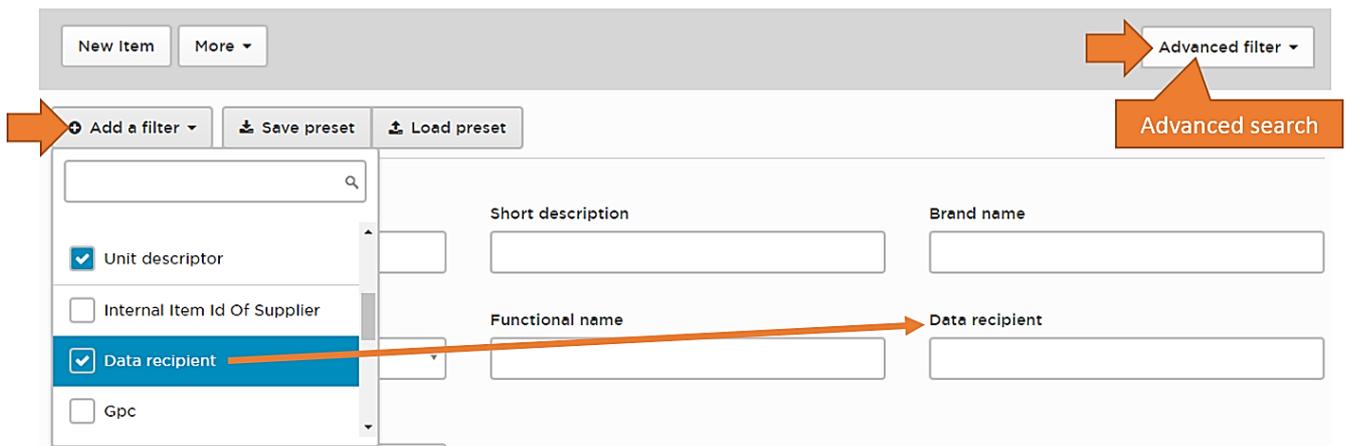


Fig. 3-8

Warning: Always save before leaving a module!

- Filter saving and loading** (Fig. 3-9): You can save and load filter setting in the *Items* page by the *Save preset* function. Follow the process:
 - Add name to your setting, set the range of users (only for you/for company). Save your setting.
 - The *Preset saved* message appears and the new set filter is available from the *Load preset* button.

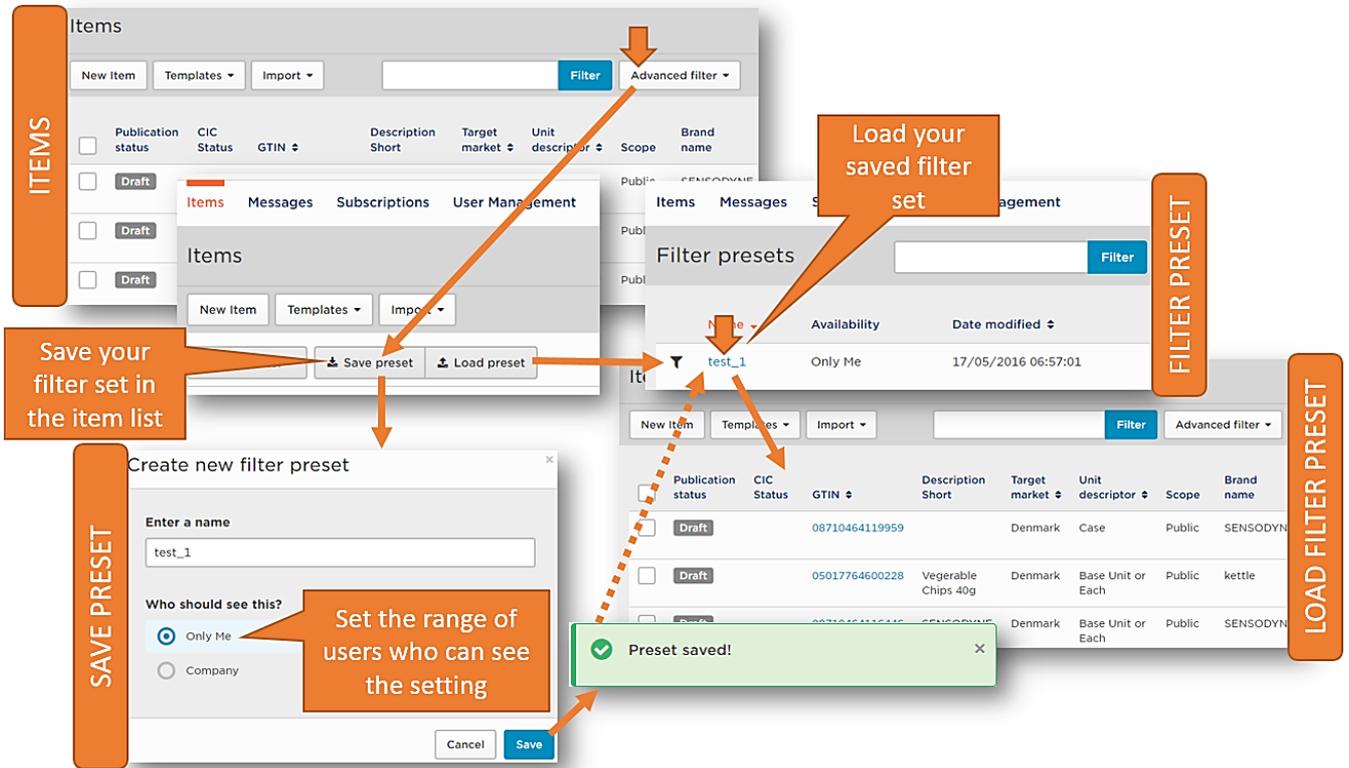


Fig. 3-9

In order to perform operations with more items, select multiple items by marking more check boxes at the beginning of item rows. If you want to select every item from the list, mark the check box at the top of the table (Fig. 3-10).

<input checked="" type="checkbox"/>	Publication status	Confirmation Status	GTIN	Description Short
<input checked="" type="checkbox"/>	Live		03829776527002	Friske rejer
<input checked="" type="checkbox"/>	Live		03829776527002	Friske rejer
<input checked="" type="checkbox"/>	Published	Waiting for confirmation	03829776527064	Friske rejer
<input checked="" type="checkbox"/>	Published		03829776527064	Friske rejer
<input checked="" type="checkbox"/>	Draft		05700001230080	

Fig. 3-10

3.1.2 Actions

Additional functions can be accessed by the *Actions* button appearing when you put your mouse arrow at the end of an item row in the *Items* list.

The *Actions* contains the following functions (Fig. 3-11):

- *View* to review the details of the selected item in the *Item Editor* (This option is not available in the case of *Draft* status.)
- *Edit* to edit the selected item data in *Draft* mode in the *Item Editor*
- *Withdraw* to confirm the unpublishing of item data. After clicking *Unpublish* button, the published item will be deleted and its contents will be copied into a newly created draft mode. (The *Delete* option is available instead of *Withdraw* in the case of *Draft* status.)
- *New template from selected*: Template creation from the selected item data.
- Export the selected item data in three different file formats:
 - *Export to Excel*
 - *Export to XML* (This option is not available in the case of *Draft* status.)
 - *Export to PDF*

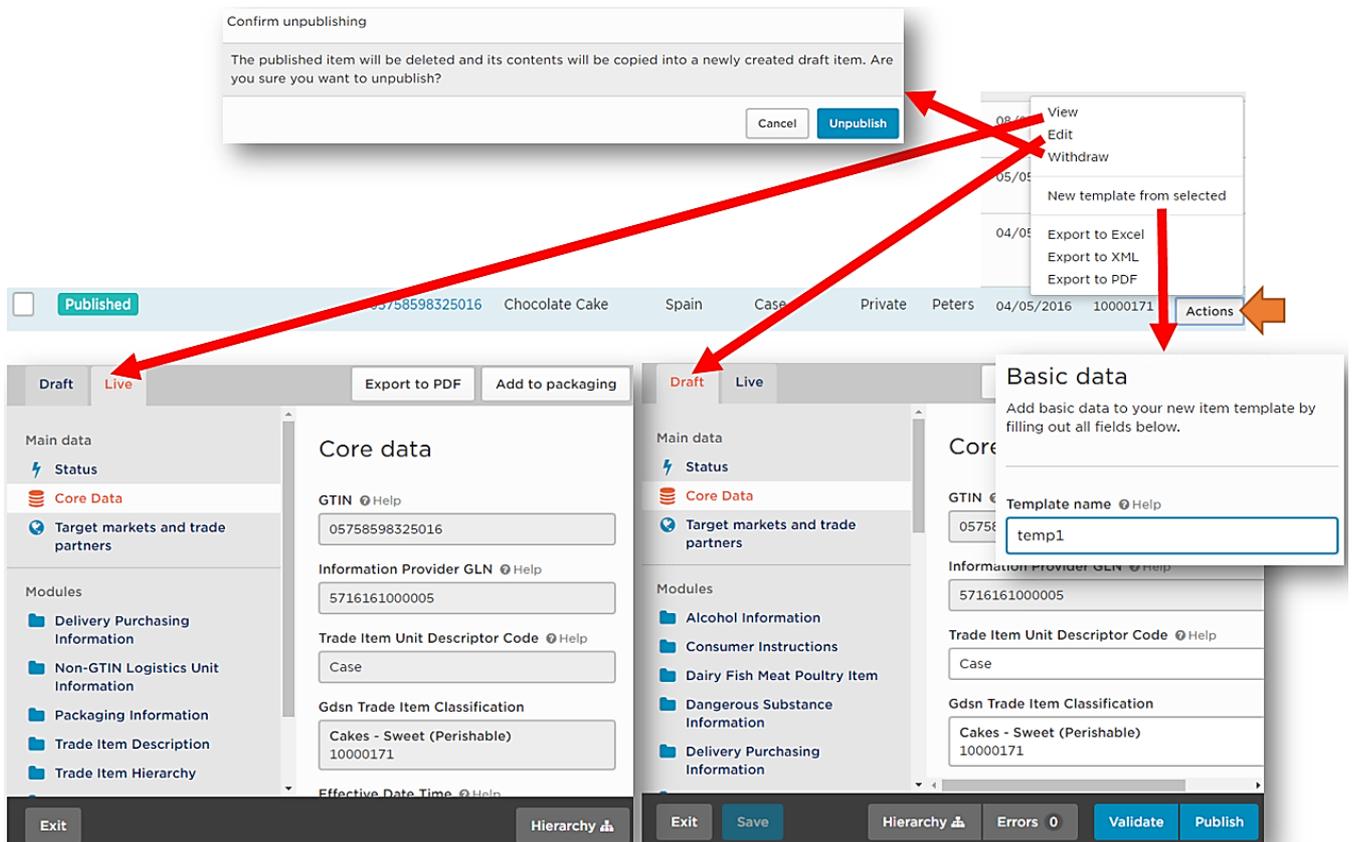


Fig. 3-11

3.1.3 Create Item

One of the most important functions in *Items* window is the item creation.

The item creation process contains the following steps:

1. Click *New Item* button in upper left corner. The *Basic Data* window appears (Fig. 3-12).

Fill the following:

- *GTIN* number of your product
- *Trade Item Unit Descriptor Code* to define the GTIN hierarchy level (the *Base Unit* or *Each* is the basic level) of your item
- *Target Market* country of your product
- *Visibility*: You need to decide the visibility level of your product item:
 - Select *Public* for global visibility – in this case, all DRs can subscribe the product.
 - Select *Private* for only a defined DR – in this case, only the selected DR can subscribe for this product.

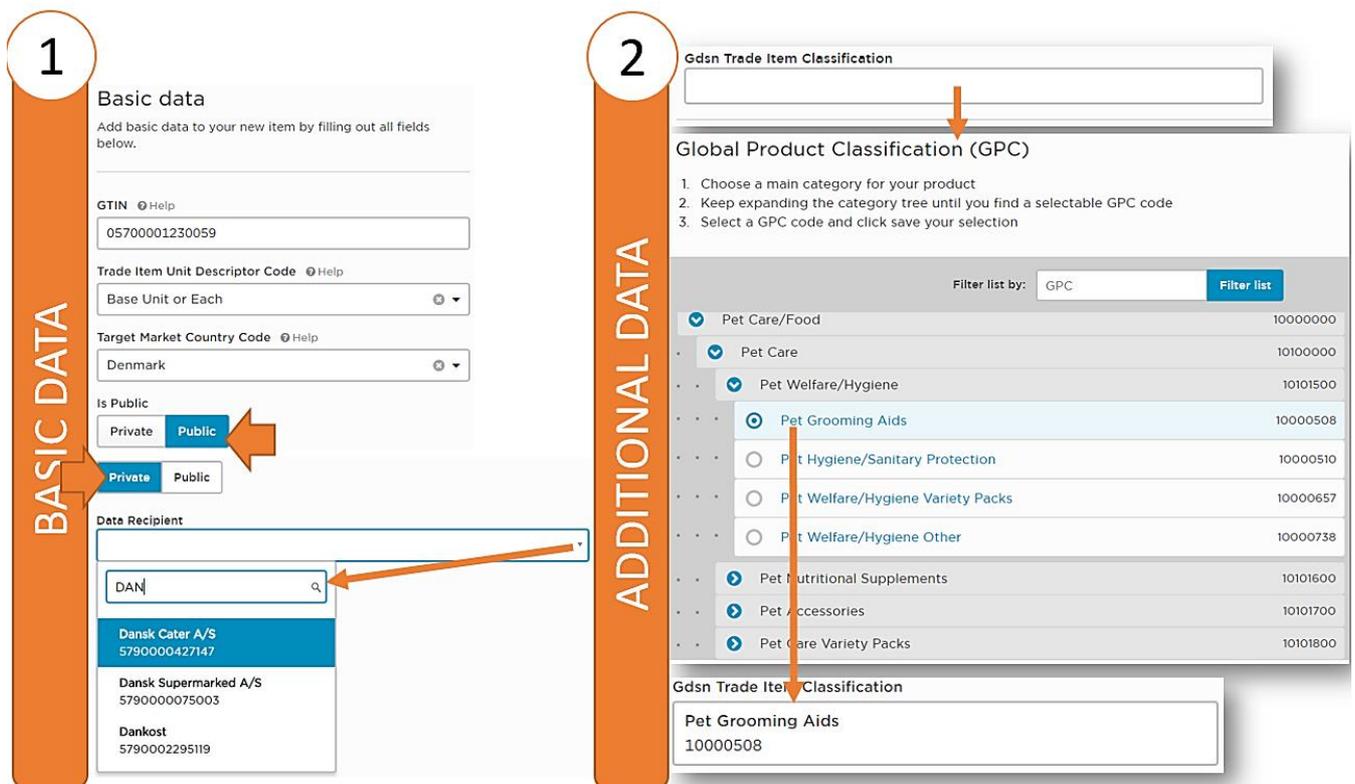
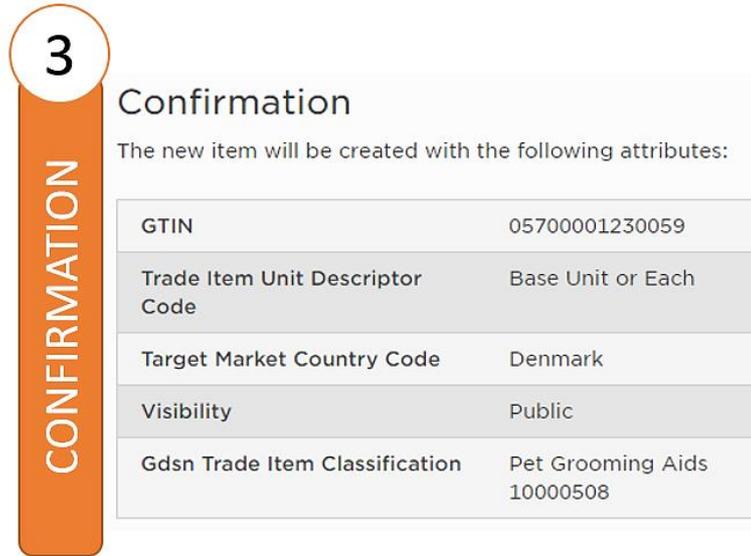


Fig. 3-12

2. Click *Next*. The *Additional Data* window appears. Type GPC number of your item or select it from the hierarchy list. (Every GPC number is within a four-level hierarchy.) Save it (Fig. 3-12).

-
3. Click *Next*. The *Confirmation* window appears (Fig. 3-13). Here you get a summary about your defined item.

Note: At this point, the item is not yet created. Click *Create* button for actual item creation or go *Back* if you want to change something.



The image shows a confirmation window titled "Confirmation" with a large orange vertical bar on the left containing the number "3" and the word "CONFIRMATION". The window displays a summary of attributes for a new item to be created.

Confirmation	
The new item will be created with the following attributes:	
GTIN	05700001230059
Trade Item Unit Descriptor Code	Base Unit or Each
Target Market Country Code	Denmark
Visibility	Public
Gdsn Trade Item Classification	Pet Grooming Aids 10000508

Fig. 3-13

- Click *Create*. The *Item Editor* window appears (Fig. 3-14) in *Draft* mode. Here you find every information about your created item. At the upper side of the page, you will find details about GTIN hierarchy level (e.g., *Base Unit or Each*), target market (e.g., *Denmark*), the item visibility from the trade partner (e.g., *Public*), Description Short (e.g. *Friske rejer*), Internal Item ID Of Supplier (e.g. *12345X*) and the status of GS1 Trade Exact (e.g. *Not inspected*).

The left side of the page shows the submenus of the *Main data* menu: *Status*, *Core Data* and *Target markets and trade partners*. When you select one submenu from the left, the details related to the selected submenu appears in the right side.

The use of the *Modules* menu helps you to find item information easier, if created item is too complex to view in one (in this case the created item is a base item with simple structure thus the *Modules* menu is empty). The modules contain categorized information of an item (e.g., information about certification, packaging, delivery, marketing etc.). You can add additional data to your item by *Modules* as well.

Warning: Always save before leaving a module!

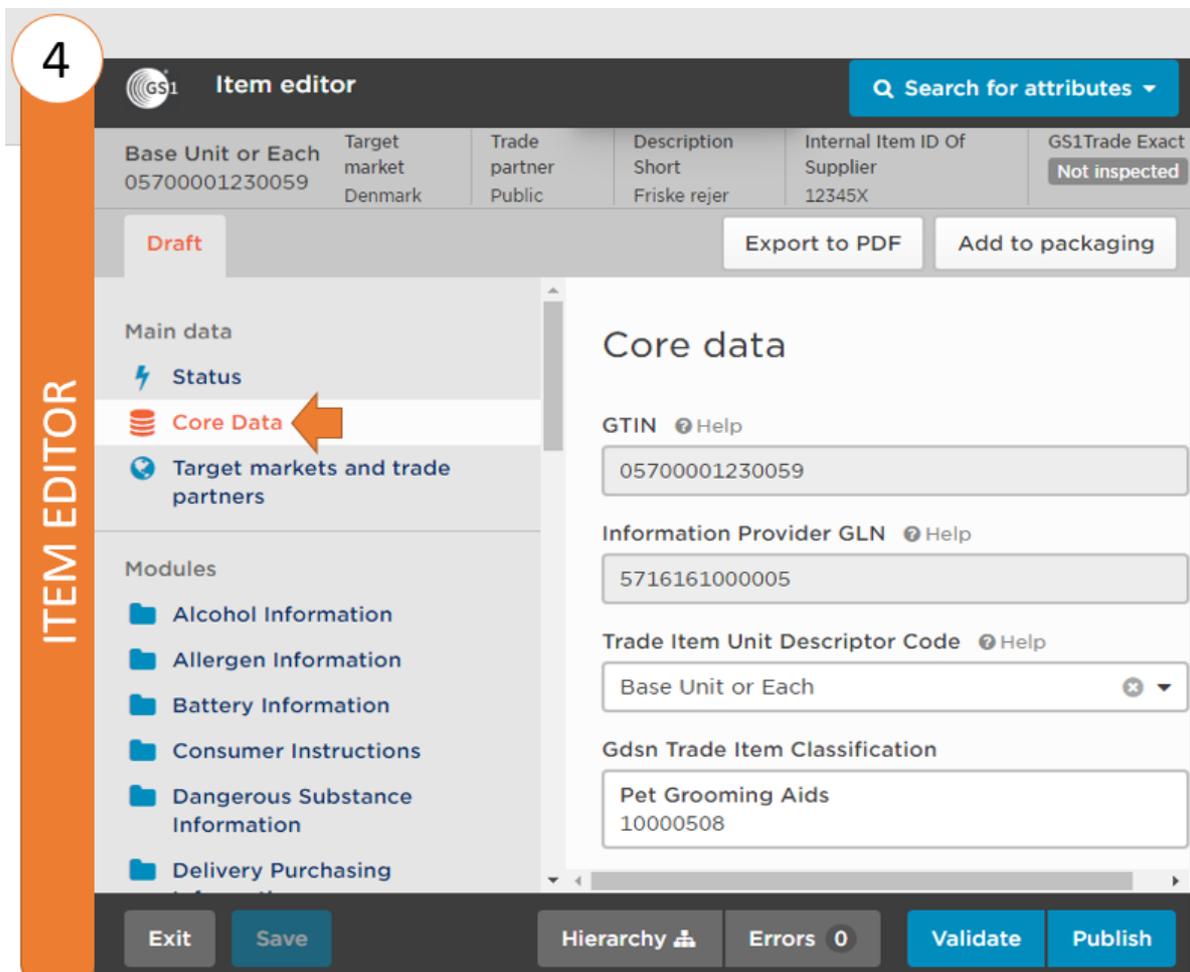


Fig. 3-14

5. When all data are set properly, click the *Validate* button to validate your created item (otherwise, you can change item data or you can exit by *Exit* button). If you don't have any errors after clicking *Validation* (in this case, the label of *Error* button shows a "0" on bottom right) the validation is successful. You get a message about that (Fig. 3-15).

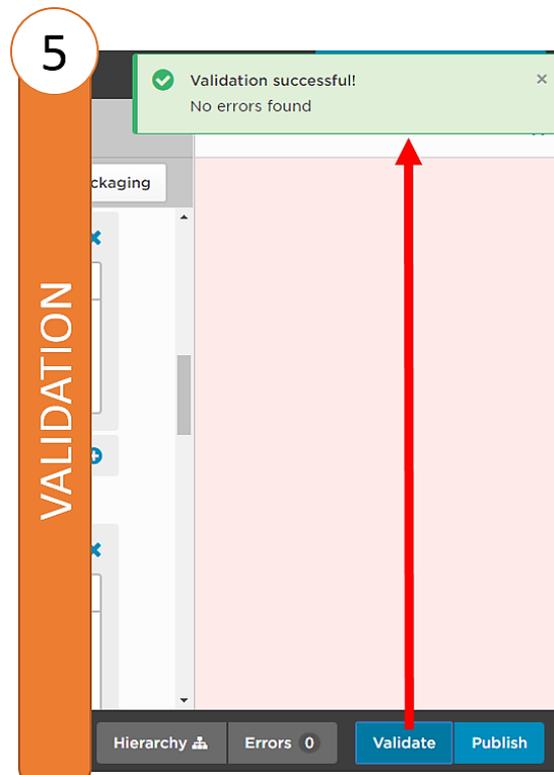


Fig. 3-15

Note: If you get some errors after clicking *Validation*, click *Error* button and the error messages appears on the right side. If you select an error item from the right, then you find the exact place within item data – marked by red colour – where you need to correct (Fig. 3-16).

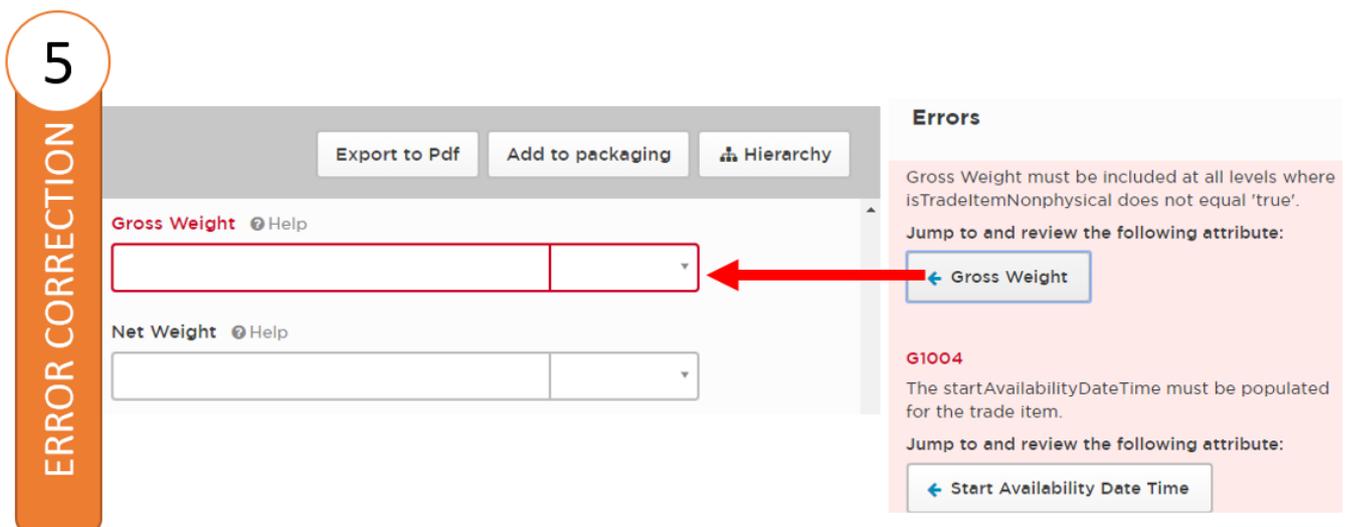


Fig. 3-16

- Final step is to publish your item (Fig. 3-17): Click *Publish* button, the publishing item data together with hierarchy information appears. Click *Publish* button again (or click *Exit without saving* to jump from publishing process). The publishing process is finished and the new *Published* item will appear in the *Items* list.

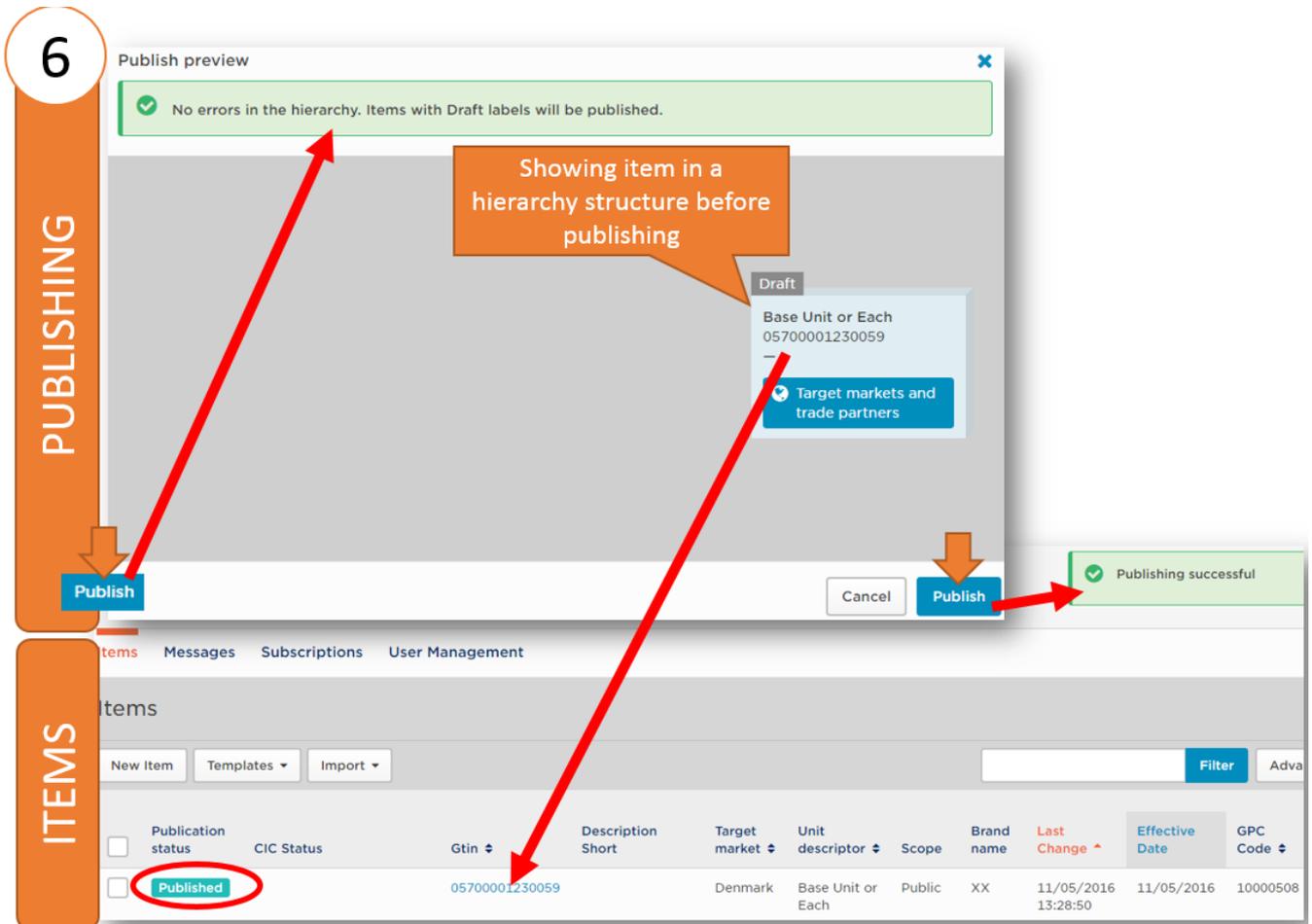


Fig. 3-17

Note: For more functions of *Item Editor* see 0.

3.1.4 Edit Item

If you need to change your item open *Item Editor*. Select your item by clicking the GTIN value of item in *Items* window and the *Core Data* page of *Item Editor* appears (Fig. 3-18).

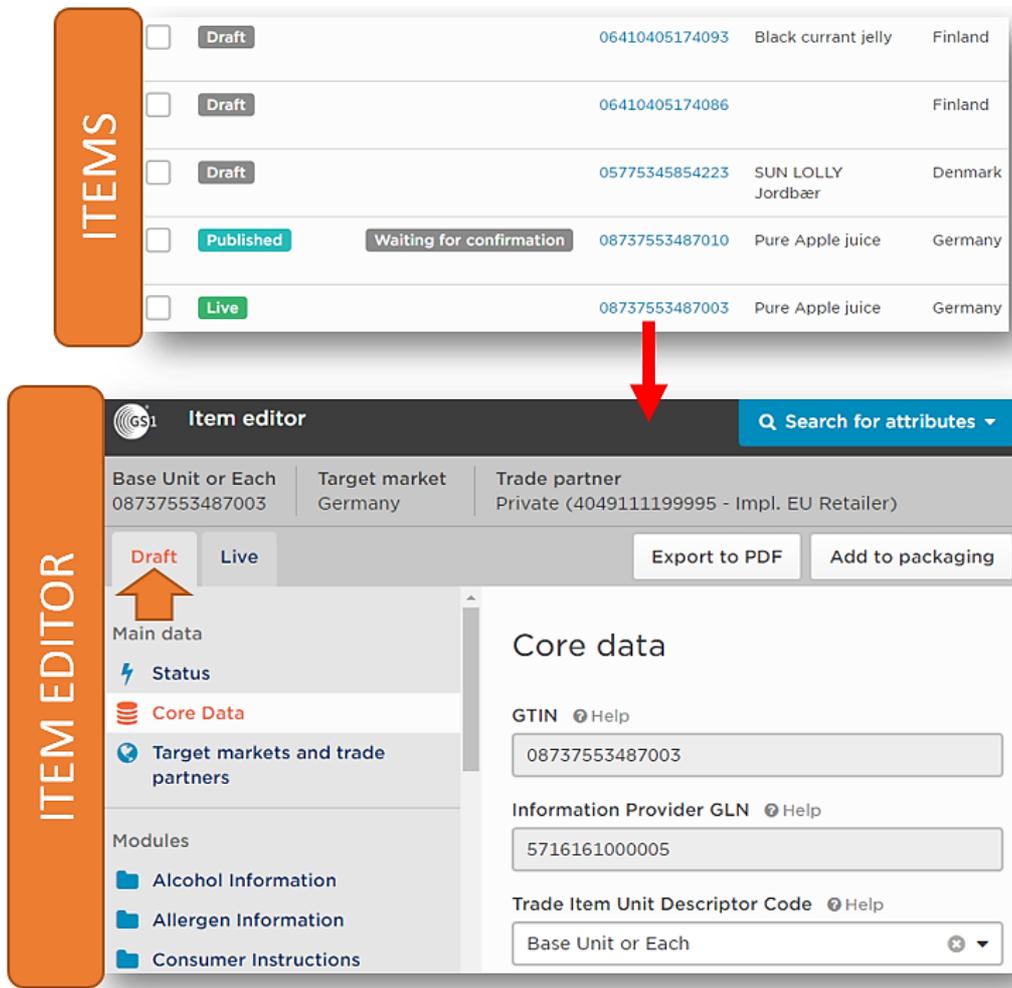


Fig. 3-18

Note: You can only edit item data in *Draft* mode.

The following information you find and the following operations you can perform in *Item Editor* (Fig. 3-19 and Fig. 3-20):

- **Information about *Current item*:** The defined *Trade Item Unit Descriptor Code* for setting GTIN hierarchy level (Base Unit or Each defines the base level of hierarchy).
- **Information about *Core data of current item*:** The defined data with GTIN, GLN, GCP numbers as well as hierarchy level (*Trade Item Unit Descriptor Code*).
- **Information about *Target markets and trade partners*:** You can add/change trade partner related to your item by clicking *Add trade partner* button (Fig. 3-19). As mentioned, you can set the visibility (public or private) of your item by this function. You can also add/change target market (a country) by clicking *Add target market* button (Fig. 3-19).

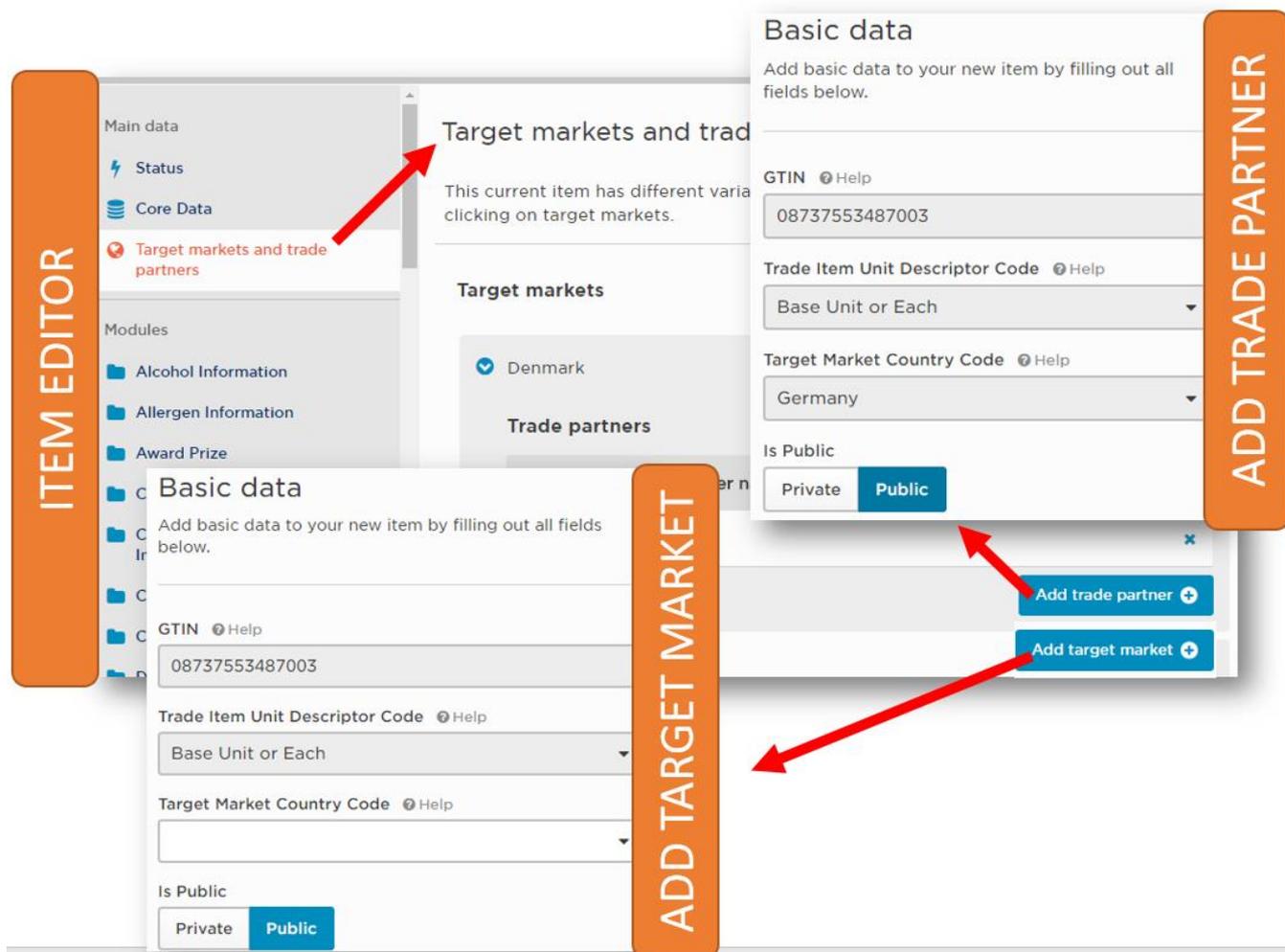


Fig. 3-19

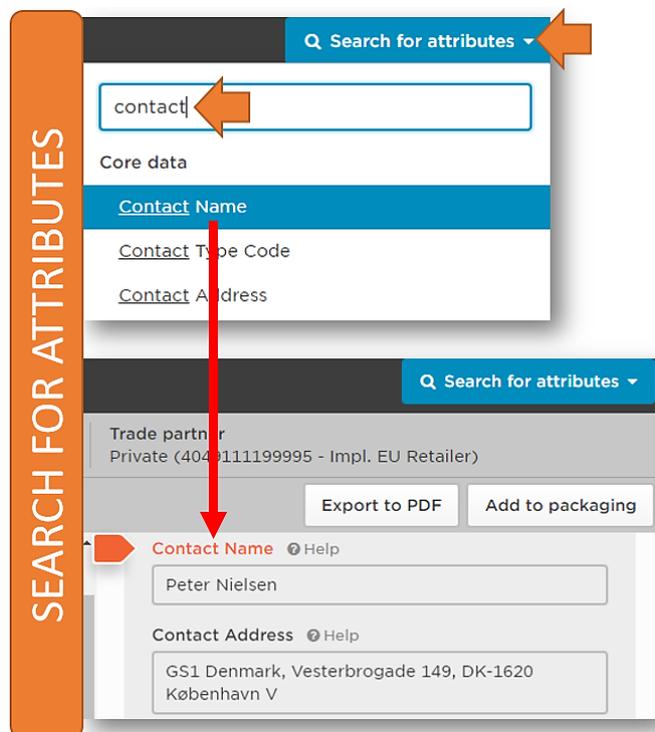
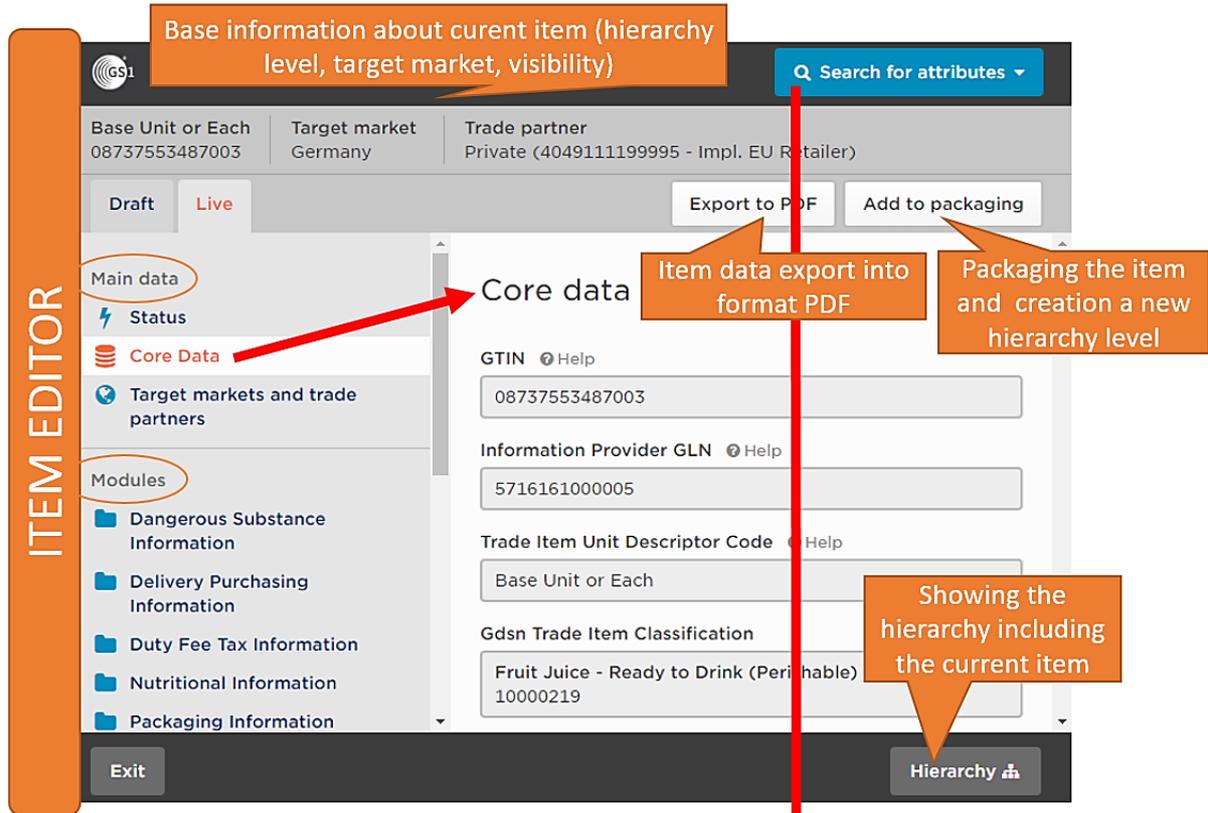


Fig. 3-20

- **Export item data:** You can export your item data into a PDF file by clicking *Export to Pdf* button (Fig. 3-20).
- **Search for attributes:** In order to simple search of an item in the *Item Editor*, you can use the *Search for attributes* function in the in upper right corner of the page (Fig. 3-20).

- **Information categorized by *Modules*:** Every piece of item information is organized into specific *Modules* for easier navigation and simpler searching. You can add further information and useful description by the use of *Modules* as well (Fig. 3-21).

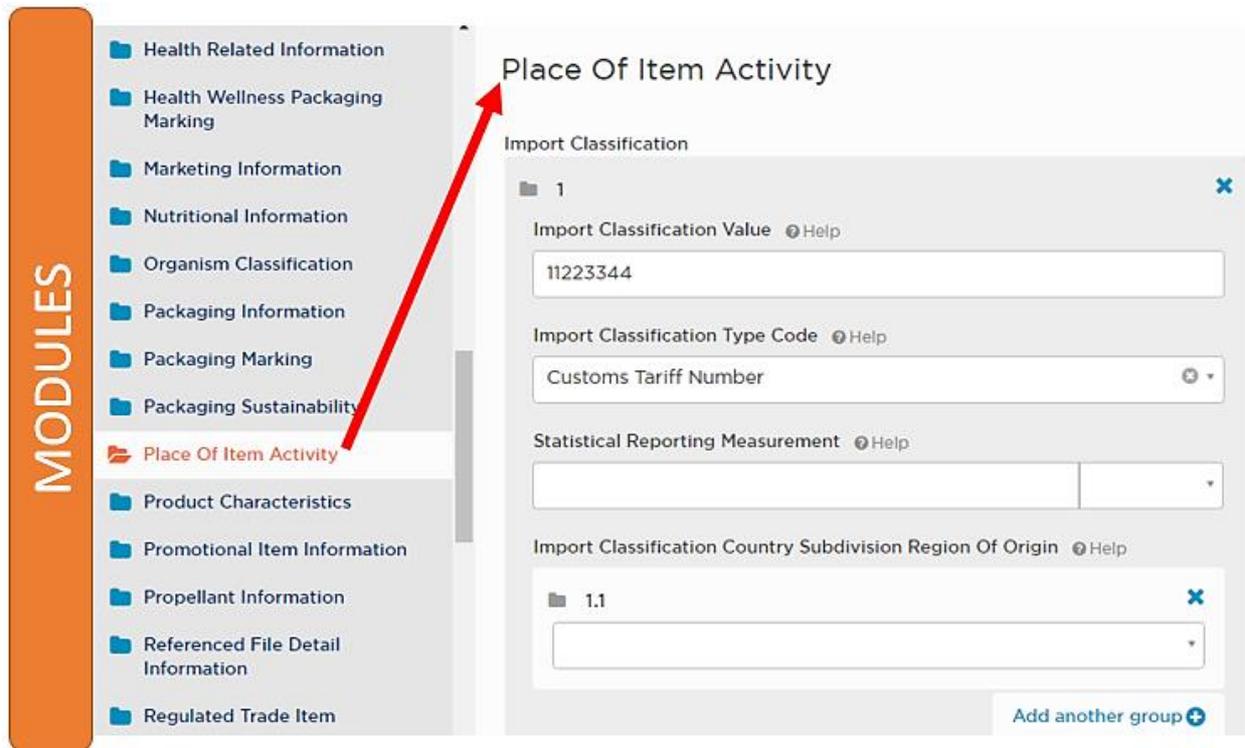


Fig. 3-21

- **Adding a new top level to hierarchy:** You can use *Add to packaging* button to add a new top level to your hierarchy that means a new packaging level. In this case you need to add a new basic item data (with GTIN, Trade Item Unit Descriptor Code and visibility data) capturing the current item as a new hierarchy level. (Fig. 3-22 demonstrates the process of level adding to hierarchy – in this example the *Case*-type item is added to the *Base Unit*-type item in the hierarchy.

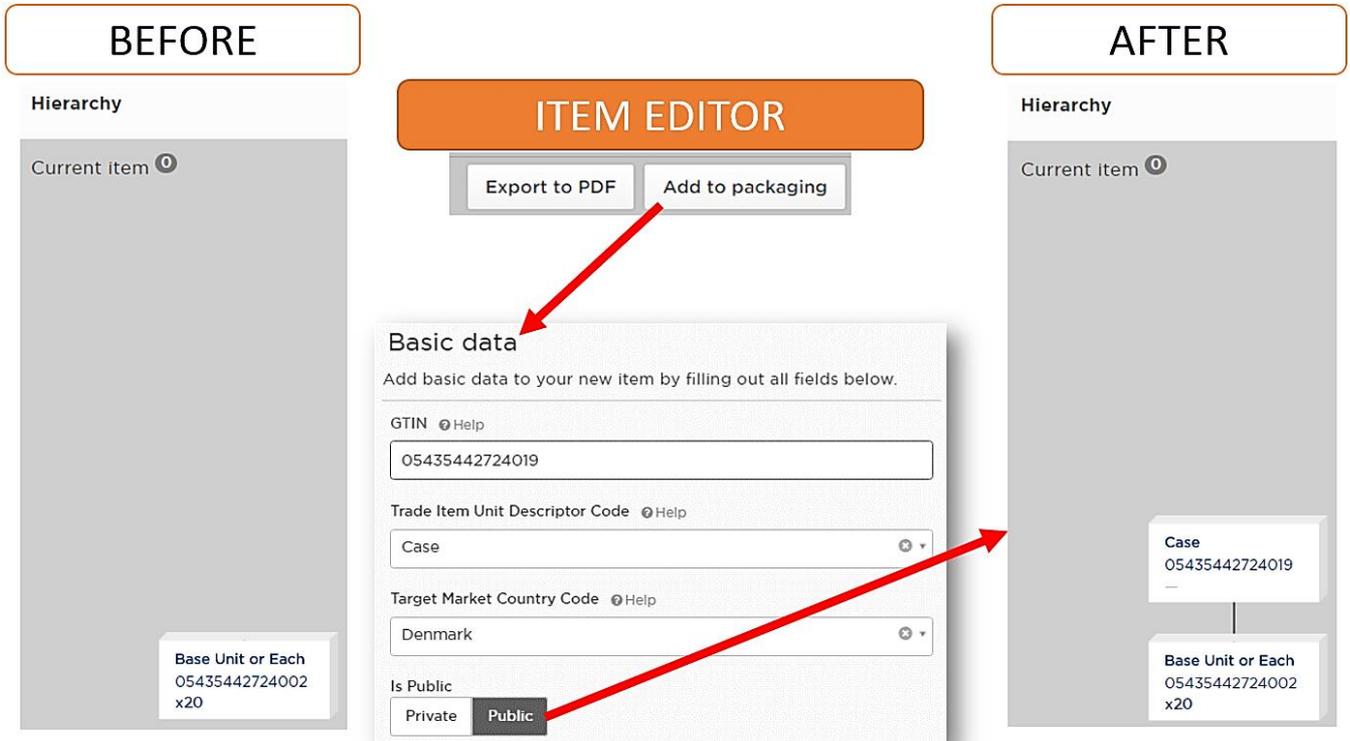


Fig. 3-22

- Information about Hierarchy:** You can get a picture about GTIN levels related to your item and about the exact place of your item within this hierarchy by clicking *Hierarchy* button (Fig. 3-23). The top level item data you find in *Item Editor* page but if you want to access the data of other lower levels – which represents other item packaging levels – select the corresponding code from the hierarchy tree.

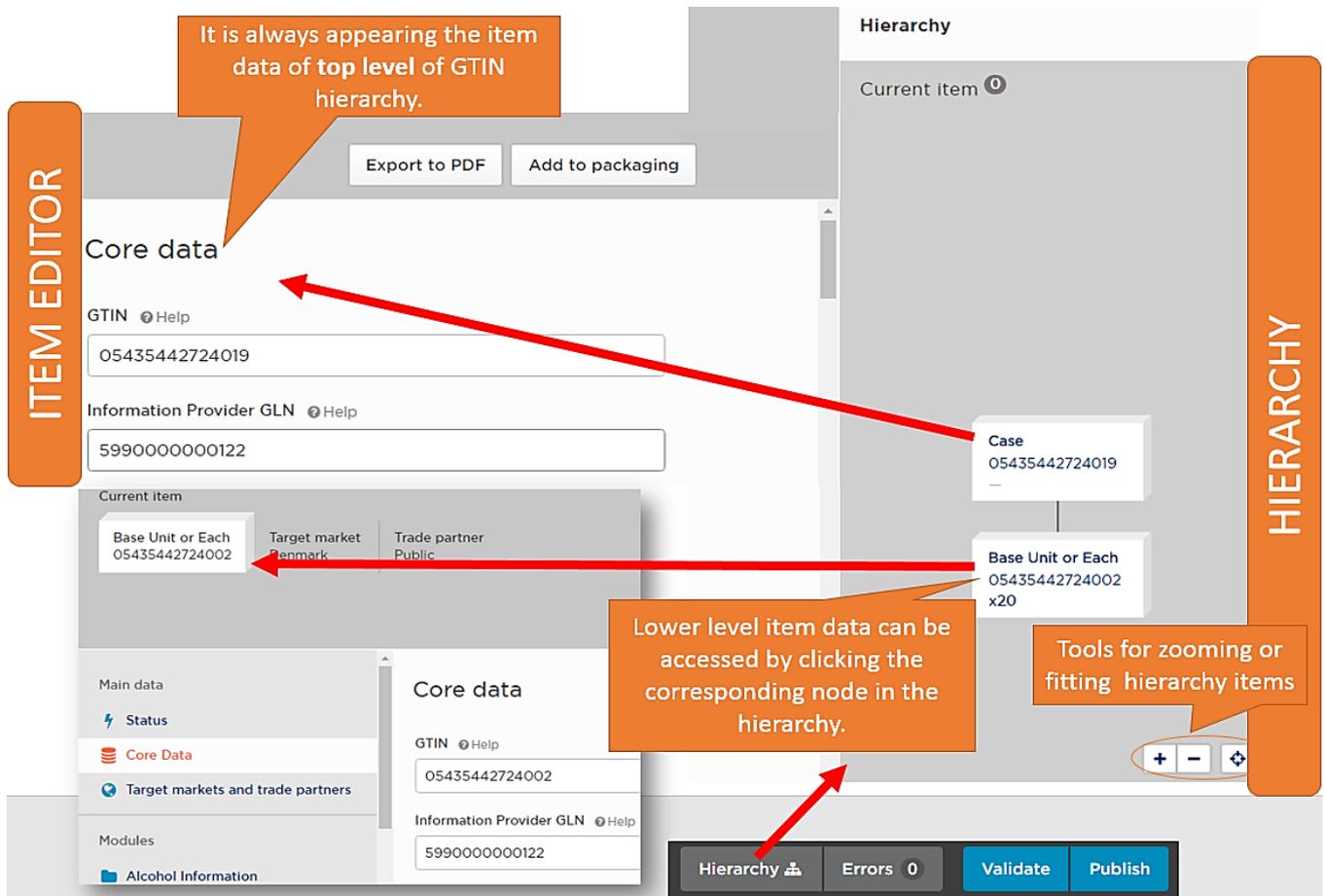


Fig. 3-23

- Exit/Save/Validate/Publish:** Use the buttons in the toolbar to save your items (Fig. 3-24), you can save your item settings (*Save* button), exit from Item Editor (*Exit* button) or validate your item (*Validate* button). You need to get a "0" in the label of *Error* button after clicking *Validate* (otherwise correct data errors or fill empty fields). Finally, use *Publish* button to publish your item data for defined customers (for public or for a defined DR). After publishing, the new published item appears in the first row of your *Items* list with the value *Published* in the *Publication status* column.



Fig. 3-24

- **Setting status dates:** You can set the *Cancel Date Time* and *Discontinue Date Time* in the *Main data/Status* submenu (Fig. 3-25). *Cancel Date Time* is used for items which have never nor will ever be manufactured. *Discontinue Date Time* is equal to the last production expiry date of a trade item.

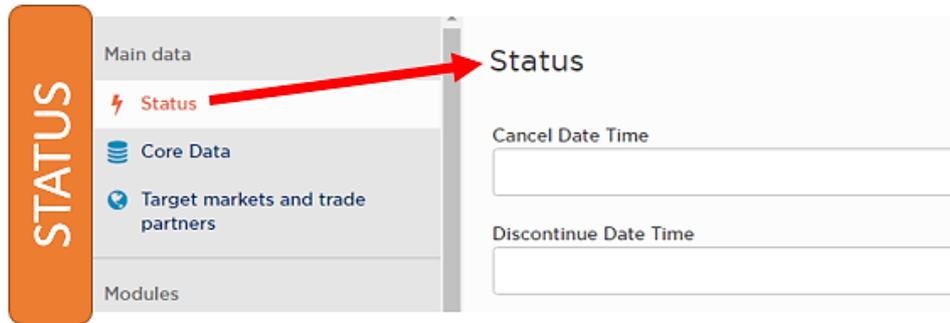


Fig. 3-25

3.2 Menu Messages

You can read the messages received from DR in the *Messages* window, which you can reach by selecting menu *Messages* (Fig. 3-26).

The screenshot displays the Messages window with a list of messages and detailed views for two specific messages. A vertical orange bar on the left is labeled "MESSAGES". Red arrows point to the "Review" button and the "Last Change" column in the message list.

Last Change	Status	GTIN	Target market	Scope	Data recipient
16/08/2016 10:11:54	Review	03829776527064	Denmark	Public	4049221110781 FLS Test Retailer
16/08/2016 10:05:35	Waiting for confirmation	03829776527064	Denmark	Public	0838016001304 MjR3 Test Recipient
16/08/2016 10:05:33	Received	03829776527064	Denmark	Public	5790000500017 GS1 Denmark

Status code	Status code detail	Description	Corrective action code	Corrective action
CIC999	Free - form text description user defined	WARNING - system.propertyContainer.invalidPropertyOptionalEnumValue: The attribute "Trade Item - Simple String AVP" refers to an unknown enumeration value isPrivate of the "Enumeration" type.		

Status code	Status code detail	Description	Corrective action code	Corrective action
CIC999	Free - form text description user defined	WARNING - system.propertyContainer.invalidPropertyOptionalEnumValue: The attribute "Trade Item - Simple String AVP" refers to an unknown enumeration value isPrivate of the "Enumeration" type.		

Fig. 3-26

Messages window contains all relevant information about acceptance of your published item. Every message has the following values:

- *Last Change* of received message
- The acceptance *Status*⁴ of your published item - there are five different statuses:
 - *Received*: Data has been received by the DR but no business decision has been made on the data.
 - *Waiting for confirmation (Pending)*: Waiting for confirmation in accordance to your published item.
 - *Rejected*: Data will no longer be synchronised or updates will no longer be provided.
 - *Synchronised*: Data are integrated and added to the synchronisation list.
 - *Review*: The DR has received discrepant data without synchronisation.
- *GTIN* value of item: It identifies your item related to message.
- *Target market*: Target market of your item
- *Scope* of the item (*Public* or *Private*)
- GLN number of *Data recipient*

You can access further information about your item confirmation status. This information can be accessed by clicking on where this icon is available. This additional information contains the (CIC)

⁴ The status name is corresponding to the GDSN standard.

*Status code, Status code detail, Description and Corrective action code and action description to clarify the current state of confirmation. You can read this information not only in Messages list but in an editor by clicking *Open in editor* button.*

The messages are searchable and filterable by the same way as in *Items* window.

The *Messages* list can be sorted by date (date of *Last Change*).

Warning: You can't edit messages and you can't answer messages in *Messages* window. *Messages* menu is only for reading messages.

3.3 Menu Subscriptions

The *Subscriptions* menu – in the case of DS-user – provides a list of items subscribed by the DR. When you select an item from the list by clicking the corresponding GTIN of an item, you get the subscription(s) related to the selected item (Fig. 3-27).

Items
List of items with active subscriptions. Click on an item to view its matching subscriptions.

Items related to at least one subscription

GTIN	Target market	Data Recipient	Descriptor	Item name	Date created
03829776527064	Denmark		Case	Peters	16/08/2016 10:37:19
01051501201371	Denmark				
01840029456843	Sweden				

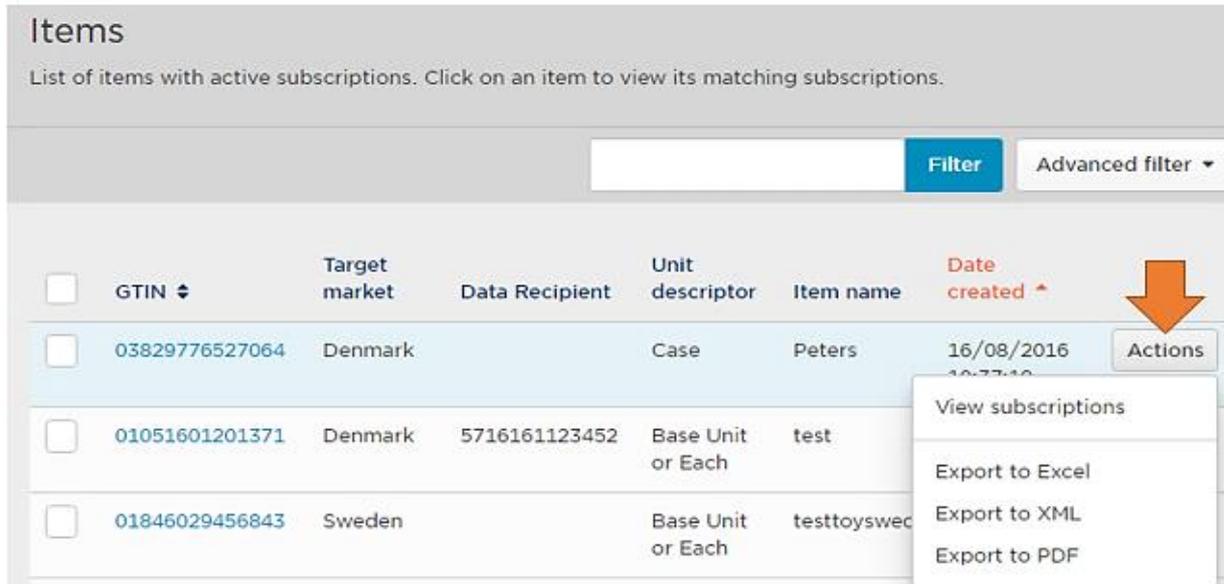
The subscription(s) appear(s) when you click the GTIN number of an item

Subscriptions matching an item
List of subscriptions matching the item selected on the previous page.

Data source	GPC	GTIN	Target market	Data recipient
GS1Trade Sync DS UI Test				FLS Test Retailer
GS1Trade Sync DS UI Test				MjR3 Test Recipient
GS1Trade Sync DS UI Test			Denmark	Procater ApS
GS1Trade Sync DS UI Test				GS1 Denmark
GS1Trade Sync DS UI Test				GS1Trade Sync DR UI Test
			Denmark	GS1Trade Sync DR UI Test

Fig. 3-27

You can use the *Actions* button in the case of *Subscriptions* as well (Fig. 3-28). You can view subscriptions and export in various file formats.



The screenshot shows a web interface titled "Items" with a subtitle "List of items with active subscriptions. Click on an item to view its matching subscriptions." Below the subtitle is a search bar with a "Filter" button and an "Advanced filter" dropdown. The main content is a table with the following columns: a checkbox, "GTIN", "Target market", "Data Recipient", "Unit descriptor", "Item name", "Date created", and an "Actions" button. An orange arrow points to the "Actions" button of the first row. A dropdown menu is open from this button, showing options: "View subscriptions", "Export to Excel", "Export to XML", and "Export to PDF".

<input type="checkbox"/>	GTIN	Target market	Data Recipient	Unit descriptor	Item name	Date created	Actions
<input type="checkbox"/>	03829776527064	Denmark		Case	Peters	16/08/2016	View subscriptions Export to Excel Export to XML Export to PDF
<input type="checkbox"/>	01051601201371	Denmark	5716161123452	Base Unit or Each	test		
<input type="checkbox"/>	01846029456843	Sweden		Base Unit or Each	testtoyswec		

Fig. 3-28

3.4 Administration

3.4.1 Profile Settings

Every DS-user can administrate his/her own profile settings by clicking on your user name and select *User Settings* in upper right corner page (Fig. 3-29).

Here, among others, you can change your password, your email address and the language (Danish, English and Hungarian are available).

User name with the used website name and the user GLN number

PROFILE SETTINGS

Role
Admin
Full access to items, messages and subscriptions. View, create and edit users. Edit company information

Profile

Title Help
Ds.

First name Help
Steve

Last name Help
Rogers3

Email Help
user3@email.com

Year of Birth Help
2015

Gender Help
Male

Steve Rogers3
GS1Trade Sync DS UI Test
5716161000005

Account

- User Settings
- Company settings
- Switch companies
- Filter presets
- Item templates
- Log out

Fig. 3-29

When you click on your user name, you can perform additional operations beside user settings (Fig. 3-30, Fig. 3-33 and Fig. 3-32):

- Edit/Save company information and interface communication type by *Company settings* submenu.

COMPANY SETTINGS

GS1Trade Sync DS UI Test

Defaults * required

Short name Help

GS1Trade Sync DS UI Test

GLN Help

5716161000005

Role * required

Data source
Entity that provides the global data synchronization network with Master Data

Interface communication * required

Web application

Web application + FTP

Web application + AS2

Steve Rogers3
GS1Trade Sync DS UI Test
5716161000005 **Account** ▾

- User Settings
- Company settings
- Switch companies
- Filter presets
- Item templates
- Log out

Fig. 3-30

- Switch to another company if you need by *Switch companies* submenu

SWITCH COMPANIES

Switch Companies

- GS1Trade Sync DS UI Test
5716161000005
- GS1Trade Sync DR UI Test
5716161123452
- GS1 Denmark
5790000500017

Cancel **Switch Companies**

Steve Rogers3
GS1Trade Sync DS UI Test
5716161000005 **Account** ▾

- User Settings
- Company settings
- Switch companies
- Filter presets
- Item templates
- Log out

Fig. 3-31

- Open/Delete your already set filter by *Filter presets* submenu
- Edit/Delete an item template from your already created item templates by *Item templates* submenu. The *Item template* is a useful tool to create and edit item data structure saved for later usage of user.
- You can log out through *Log out* submenu.

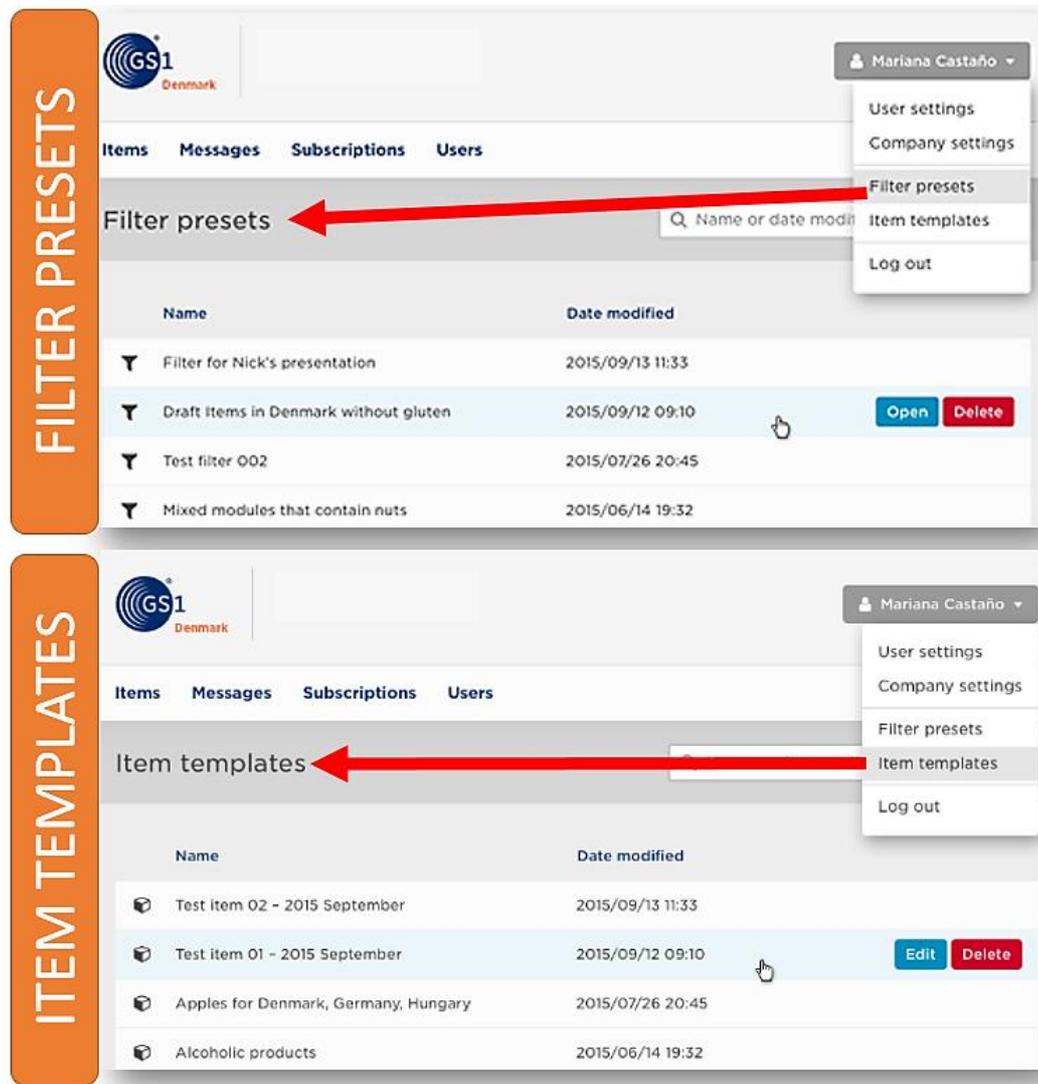
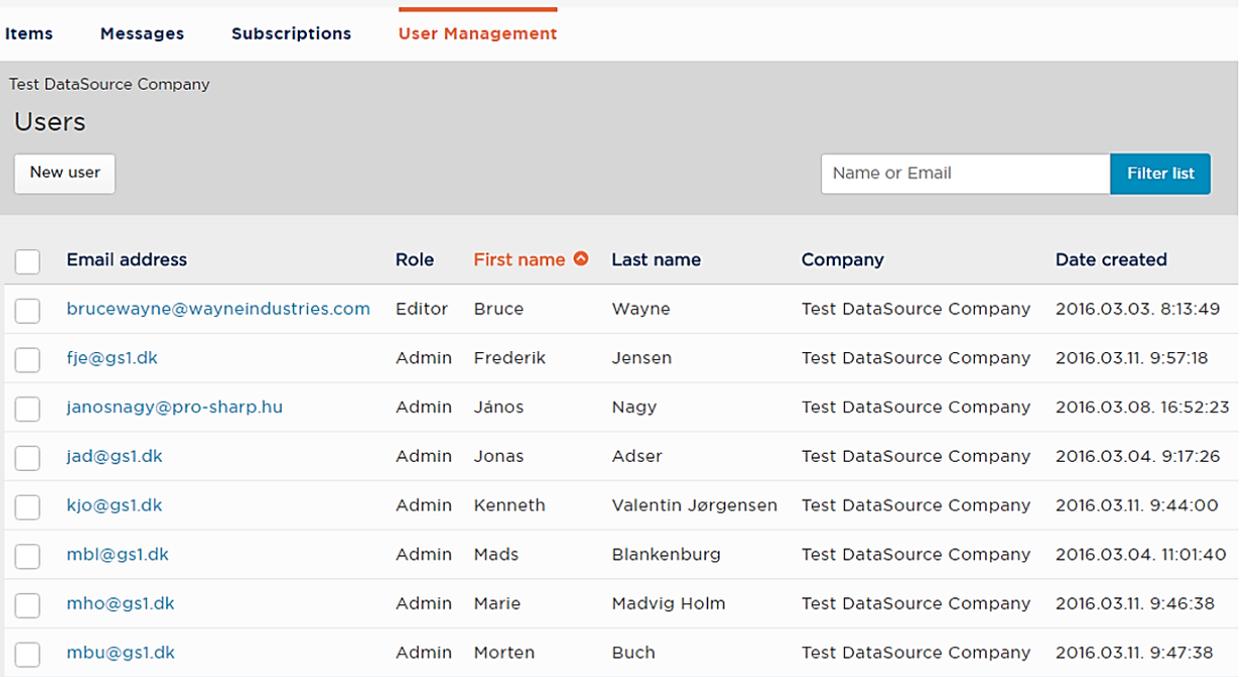


Fig. 3-32

3.4.2 The Role of a Company Administrator

A company administrator has full access to items, messages and subscriptions. He/she can view, create and edit DS-company users and edit company information. A DS-user with company administrator role can perform through menu *User Management* the administration tasks (Fig. 3-33).



The screenshot shows a web interface for 'User Management' under the 'Test DataSource Company' context. The navigation menu includes 'Items', 'Messages', 'Subscriptions', and 'User Management'. The 'Users' section features a 'New user' button and a search box labeled 'Name or Email' with a 'Filter list' button. Below is a table of users with columns for selection, email address, role, first name, last name, company, and date created.

<input type="checkbox"/>	Email address	Role	First name	Last name	Company	Date created
<input type="checkbox"/>	brucewayne@wayneindustries.com	Editor	Bruce	Wayne	Test DataSource Company	2016.03.03. 8:13:49
<input type="checkbox"/>	fje@gs1.dk	Admin	Frederik	Jensen	Test DataSource Company	2016.03.11. 9:57:18
<input type="checkbox"/>	janosnagy@pro-sharp.hu	Admin	János	Nagy	Test DataSource Company	2016.03.08. 16:52:23
<input type="checkbox"/>	jad@gs1.dk	Admin	Jonas	Adser	Test DataSource Company	2016.03.04. 9:17:26
<input type="checkbox"/>	kjo@gs1.dk	Admin	Kenneth	Valentin Jørgensen	Test DataSource Company	2016.03.11. 9:44:00
<input type="checkbox"/>	mbl@gs1.dk	Admin	Mads	Blankenburg	Test DataSource Company	2016.03.04. 11:01:40
<input type="checkbox"/>	mho@gs1.dk	Admin	Marie	Madvig Holm	Test DataSource Company	2016.03.11. 9:46:38
<input type="checkbox"/>	mbu@gs1.dk	Admin	Morten	Buch	Test DataSource Company	2016.03.11. 9:47:38

Fig. 3-33

Next set of functions captures a DS-company administrator work:

- **Adding new user** (Fig. 3-34): You can add new user to your company by clicking *New user* in *User Management* window. In the appearing window you need to set the role (Admin or Editor or Viewer⁵) of the new user. Next fields in the window are related to necessary personal user information (name, contact data, language setting). Save the settings by clicking *Save changes* button.

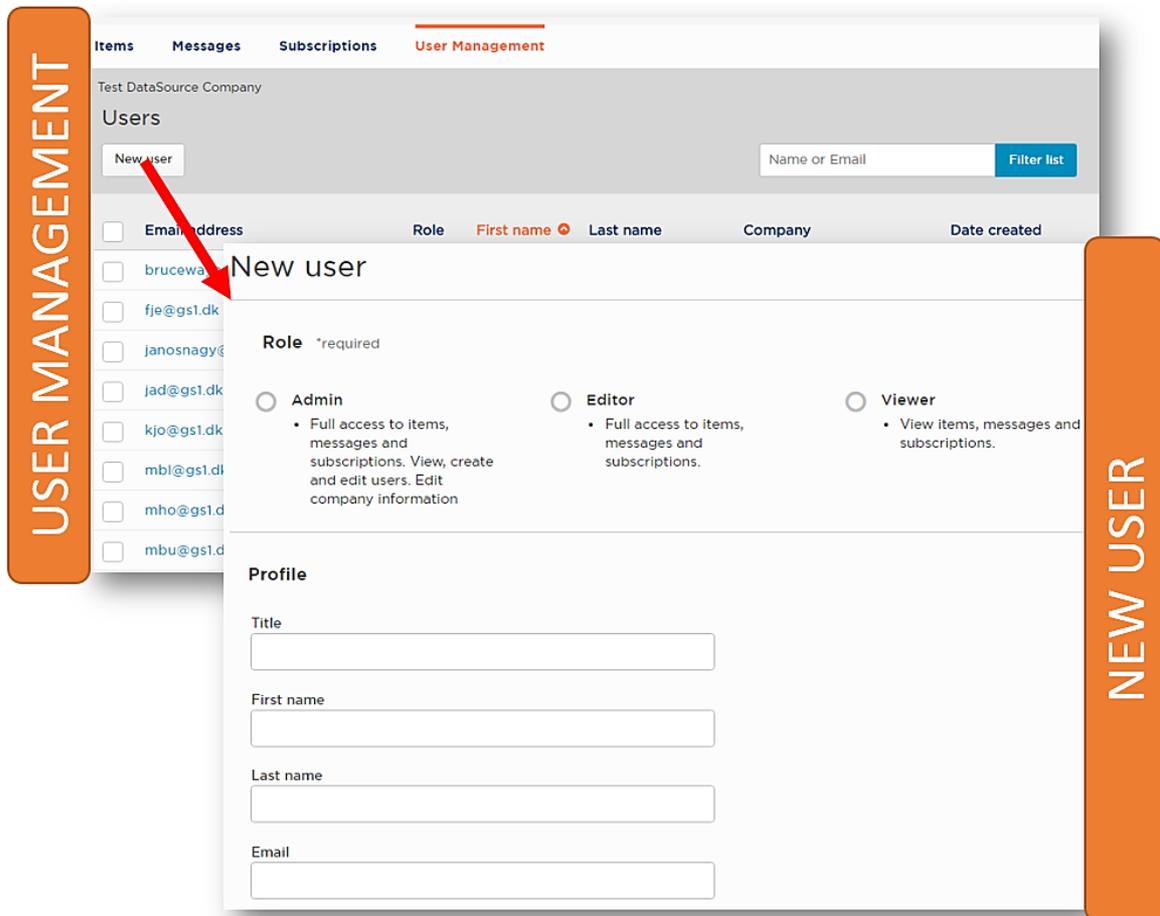


Fig. 3-34

⁵ See details about user roles in Section 2.

- **Delete a user** (Fig. 3-35): If you want to delete a user, select it from *Users* list and then click *Delete* button or use *Actions/Delete* function. Finally, confirm it.

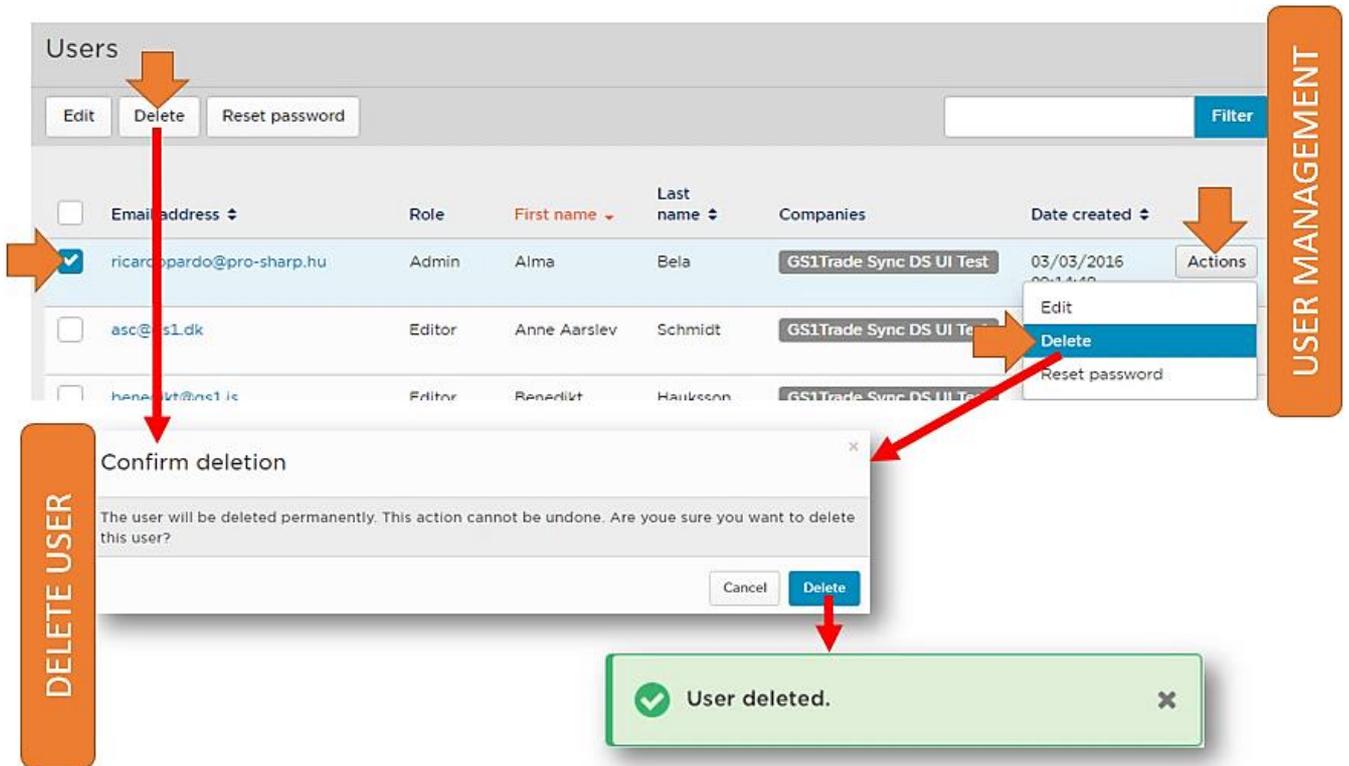


Fig. 3-35

- **Edit a user** (Fig. 3-36): You can edit the already created user data by the clicking *Edit* button or by using *Actions/Edit*. Save the changes by clicking *Save changes* button.

The screenshot displays the 'User Management' section of a system. At the top, there are tabs for 'Items', 'Messages', 'Subscriptions', and 'User Management'. Below the tabs, the page title is 'Test DataSource Company' and the section is 'Users'. There are three buttons: 'Edit', 'Delete', and 'Reset password'. A table lists users with columns for 'Email address', 'Role', 'First name', and 'Last name'. The user 'Bruce Wayne' is selected. A modal window titled 'Bruce Wayne' is open, showing the 'Role' selection (Admin, Editor, Viewer) and a 'Profile' section with input fields for 'Title', 'First name', and 'Last name'. A red arrow points from the 'Edit' button in the table to the 'Edit' button in the modal. Another red arrow points from the 'Actions' dropdown menu to the 'Edit' option. An orange vertical bar on the left is labeled 'USER MANAGEMENT', and another orange vertical bar on the left of the modal is labeled 'EDIT USER'. An orange arrow points to the 'Actions' dropdown menu.

Email address	Role	First name	Last name
<input checked="" type="checkbox"/> brucewayne@wayneindustries.com	Editor	Bruce	Wayne
<input type="checkbox"/> fje@gs1.dk	Admin	Frederik	Jensen
<input type="checkbox"/>		Nagy	

Role *required

Admin
 • Full access to items, messages and subscriptions. View, create and edit users. Edit company information.

Editor
 • Full access to items, messages and subscriptions.

Viewer
 • View items, messages and subscriptions.

Profile

Title:

First name:

Last name:

Fig. 3-36

- **Reset password** (Fig. 3-37): When a password reset is necessary for a user, select the corresponding user, click *Reset password* button or use *Actions/Reset password* and then click *Send email* button to send an email with instructions on how to reset the password the user.

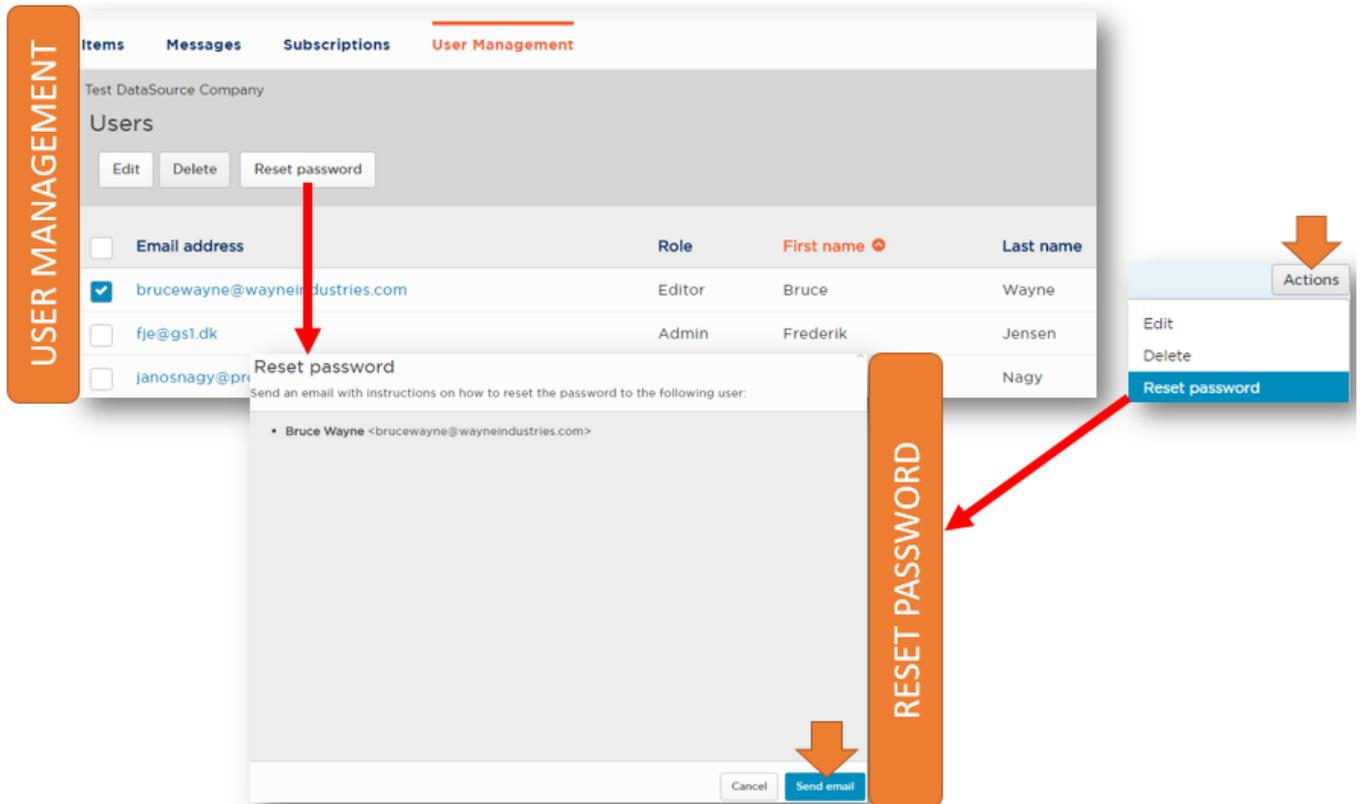


Fig. 3-37

4 Appendix

4.1 CIC Statuses

CIC Status	Definition
<i>Accepted</i>	<i>Has been received by the Data Recipient, but no business decision has been made on the data.</i>
<i>Rejected</i>	<i>Data will no longer be synchronised or updates will no longer be provided.</i>
<i>Synchronised</i>	<i>Data is integrated, in synch.</i>
<i>Review</i>	<i>The Request to the DS to review their data and take action (applies to adds and changes/correct) because the DR has received discrepant data which the cannot synchronise.</i>

4.2 Abbreviation

Abbreviation	Term
<i>CIC</i>	<i>Catalogue Item Confirmation</i>
<i>DR</i>	<i>Data Recipient</i>
<i>DS</i>	<i>Data Source</i>
<i>GDSN</i>	<i>Global Data Synchronisation Network</i>
<i>GLN</i>	<i>Global Location Number</i>
<i>GPC</i>	<i>Global Product Code</i>

4.3 Glossary

Data Recipient (DR) – It represents the demand side data. It can be a company that receives product information from a data source. This “company” could be a retailer, hospital, distributor, wholesaler, foodservice operator, group purchasing organization, government, etc.

Data Source (DS) – It represents the supply side data. It can be a company (supplier, manufacturer, distributor etc.) that enters product information into GDSN-based synchronisation systems that are sent to DRs.

Global Location Number (GLN) – It can be used by companies to identify their locations, giving them complete flexibility to identify any type or level of location required.

Global Product Code (GPC) – It classifies products by grouping them into categories based on their essential properties as well as their relationships to other products. GPC offers a universal set of standards for everything from a car to a litre of milk.

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