ORDER MANAGEMENT STATION-CLOUD 3.1
Special software
Software package "Web-interface"
Administrator Guide

Annotation

This document "Order Management Station-Cloud 3.1 Special software Software package "Web-interface" Administrator Guide" it is intended for familiarization of persons operating information services provided by the Web Interface software package from the special software (SS) of the automated system " Order Management Station-Cloud 3.1 " (AS OMS - Cloud 3.1). The document contains a description of the user's actions with the functional roles "OMS Administrator" and "OMS Operator".

The following designations are adopted in this document:

The elements of on-screen input forms are denoted by "Field", "Button" or "Menu item";

The PC keyboard keys are denoted by [Key]. Combinations of simultaneously pressed keys are indicated by [Key1+Key2].

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Purpose of the program

The purpose of the special software is to ensure the performance of target functions AS OMS -Cloud 3.1, including:
      1) Implementation of orders for the emission of MC.
      2) Applying MC.
      3) Verification of MC application.
      4) Aggregation of finished, packaged products with applied identification means (SI).
      5) Write-off of defective products.

1. Program structure
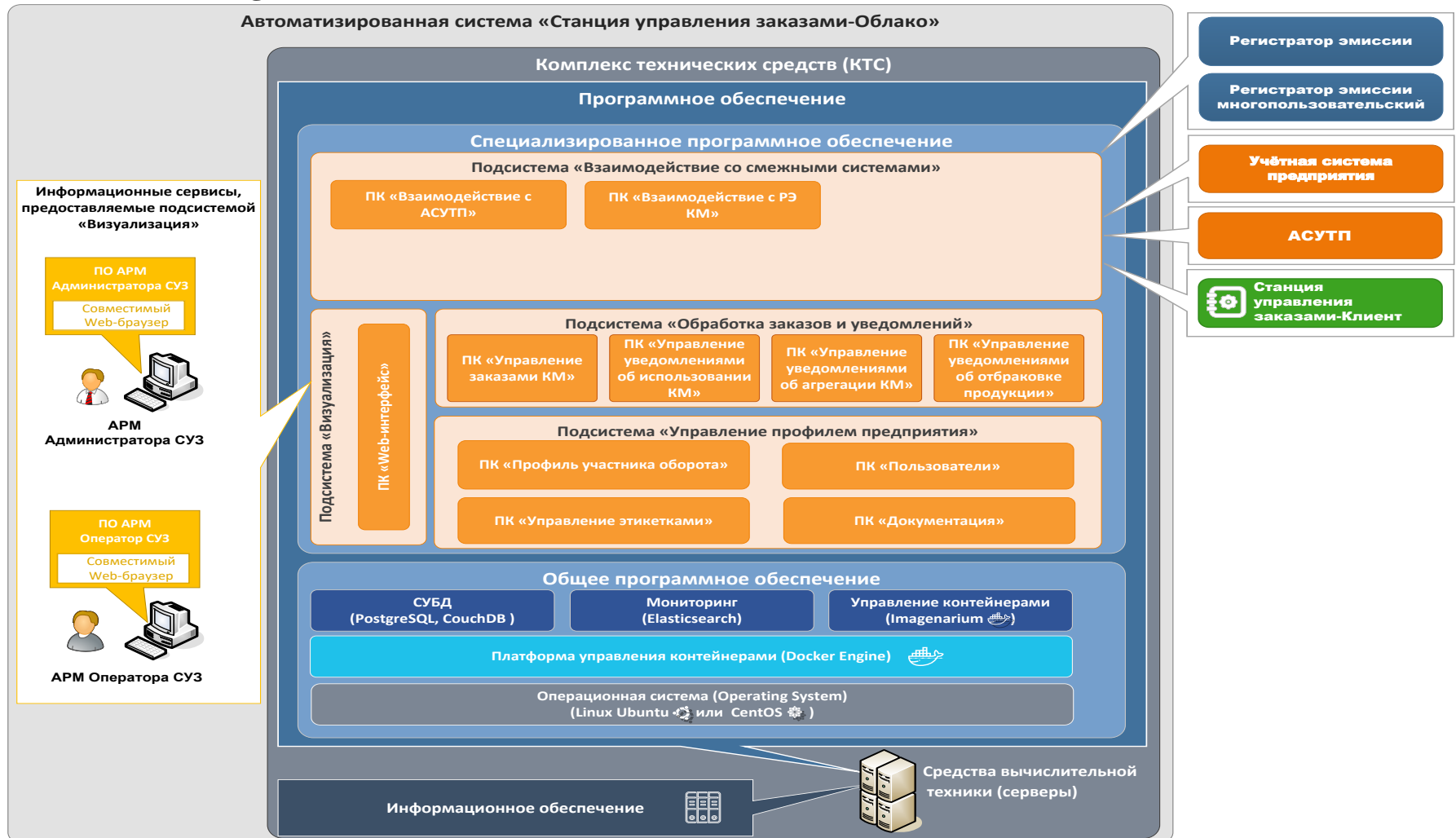
The architecture of AS OMS – cloud 3.1.

Figure 1

Figure 1 shows the architecture AS OMS -Cloud 3.1 as a set of information services and a set of technical means (including computer equipment and software and information support) designed to ensure the performance of the target functions of the system (See the section "Purpose of the program").

AS OMS -Cloud 3.1 it includes the following subsystems:

1) Subsystem "Visualization".

2) Subsystem "Processing orders and notifications".

3) Subsystem "Enterprise profile management".

4) Subsystem "Interaction with adjacent systems".

The SPO AS OMS -Cloud 3.1includes the following components:

1) As part of the "Visualization" subsystem:

– Software package "Web interface".

2) As part of the subsystem "Enterprise profile management":

– The software package "Turnover participant profile".

– The software package "Users".

– Software package "Label management".

– The software package "Documentation".

3) As part of the subsystem "Processing orders and notifications":

– The software package "MC order management".

– The software package "Managing notifications about MC aggregation".

– The software package "Management of product rejection notifications".

– The software package "Management of notifications about the use of MC".

4) As part of the subsystem "Interaction with adjacent systems":

– The software package "Interaction with the automated control system".

– The software package "Interaction with commodity group systems".

– The software package "Interaction with RE MC".

2. PROGRAM EXECUTION CONDITIONS
2.1 Required PC characteristics

For the operation of information services provided by the PC "Web-interface" from the SSAS OMS -Cloud 3.1, the following computer equipment (CE) must be used: CE for individual use:

- − The user's WORKSTATION with the functional roles "OMS Administrator" and "OMS Operator", which is a PC with characteristics that meet the recommended requirements of the Microsoft Windows operating system version 8.1 and higher, and a network adapter that provides an infocommunication channel with the CTM , AS OMS -Cloud 3.1.

2.2 Software required for the operation of the program

To operate the information services provided by the PC "Web Interface" from the SSAS OMS -Cloud 3.1, the following components of the general (GS) software are required:

1) Microsoft Windows operating system version 8.1 and higher;

Web -Browser:

- − Mozilla Firefox version 40 and higher.
- − Internet Explorer version 9 and higher.
- − Google Chrome version 37 and higher.

2.3. Personnel requirements

The PDF AS OMS -Cloud 3.1should be operated at the place of deployment of the CTM AS OMS -Cloud 3.1. Access to information services provided by the PC "Web Interface" from the SS is AS OMS -Cloud 3.1provided using infocommunication channels connecting the Administrator's automated control system/OMS Operator with the CTM AS OMS -Cloud 3.1.

AS OMS -Cloud 3.1Users are allowed to use the information services provided by the PC "Web Interface" from the SS AS:

1) having PC skills and fully mastered the graphical user interface of the Microsoft Windows operating system and the functions provided by it;

2) those who have Internet skills and have fully mastered the graphical user interface of one of the recommended Web -browsers;

3) trained to work withAS OMS -Cloud 3.1;

4) familiar with the purpose and basic principles of the protected infrastructure of the emission of marking codes.

A AS OMS -Cloud 3.1role model is used to differentiate access to information services provided by the PC "Web Interface" from the SS. The competence levels of the staff should correspond to the functional roles used in the model:

1) "OMS Administrator"
2) "OMS Operator"

2.3.1. OMS Administrator/OMS Operator

OMS Operator shall have the knowledge and skills to perform the following tasks:
1) Formation and management of business orders.
2) Maintaining a list of aggregation notifications.
3) Maintaining a list of notifications about the withdrawal of rejected products in production.

The administrator must have the knowledge and skills to implement the following tasks:
1) Maintaining a list of client devices.
2) Maintaining a list of labels

2.4. Program execution (OMS Administrator/OMS Operator)

2.5. Downloading and launching the program
2.5.1. Launching the program

The program is loaded into the RAM of the OMS Administrator/OMS Operator in the form of JavaScript program modules when accessing information services provided by the PC "Web Interface" from the SSAS OMS -Cloud 3.1.

To access the information services of the PC "Web interface", OMS Administrator/OMS Operator shall:

1) Load a Web -browser into RAM using Microsoft Windows OS functions (via the OS Main Menu, using a shortcut on the OS Desktop or OS Taskbar, etc.);

2) Type the address in the -address bar of the Web browser https://stage.ismet.kz (stage)/ https://elk.prod.markirovka.ismet.kz/login-kep (prod).

3) In the on-screen authorization form that appears, select your electronic signature and log in to the MTG IS.

4) Select the menu item "Order Management Station" on the top panel and go to the control panel.

With the right transition, the main page of the program appears in the Web browser window (Figure 2).

The main page of the OMS has differences depending on the user's chosen role.

The OMS Operator does not have a section "Devices".

The main page of the turnover participant program
Figure 2

2.6.   Program execution
2.6.1. The main page of the program

After logging in, the information services provided by the user interface of the main page of the program become available to the user (Figure 3).

The main page of the program consists of the following main parts:
1) Main menu (highlighted in red).
2) Data display area (highlighted in blue).
3) Information panel (highlighted in green).

The main page of the program
Figure 3

Main Menu
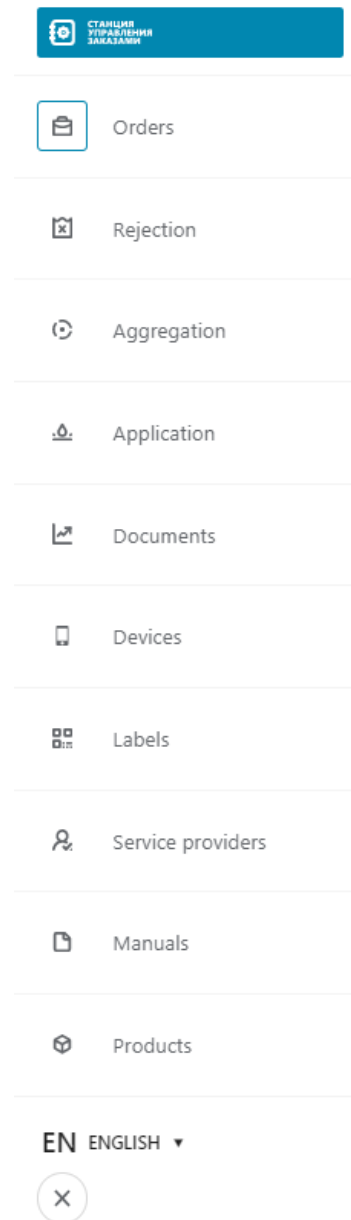
The main thing for me is programs
Figure 4

The main menu of the program contains the following elements (Figure 4):

1) Item "Orders"
2) Item "Rejection"
3) Item "Aggregation"
4) Item "Application"
5) Item "Documents"
6) Item "Devices"
7) Item "Labels"
8) Item "Manuals"
9) Item "Products"
10) Switch the interface language.
11) Display mode switch.
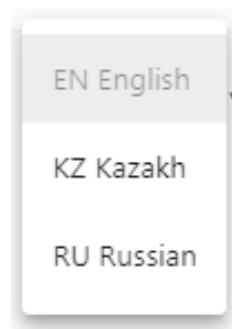
Interface language switch
Figure 5

The interface language switch (Figure 5) allows you to choose between Russian, Kazakh and English when displaying the program controls.

Switch the display mode to standard mode
Figure 6

Switch display mode to expanded mode
Figure 7

The main menu has two display modes – standard and expanded, the display mode switch is used to select between them (Figure 6 and Figure 7). When using the standard mode, only the icons of the items are visible in the menu.

When using the expanded mode, the menu is displayed completely all the time, while the data display area is shifted to the right.

The main page of the OMS has differences depending on the user's chosen role.

The OMS Operator does not have a section "Devices".

The main menu of the program when expanded mode
Figure 8

Data display area

The data display area is used for input and output of information related to various information services of the PC "Web interface".
The appearance of the data display area is determined by the selected item in the main menu, but in most cases it includes a tabular display of data (Figure 9).
Clicking on the "View" button allows the user to change the appearance of the data display area (changing the position and display of columns).

Appearance of the data display area when selecting the "Orders" item
Figure 9

Information panel
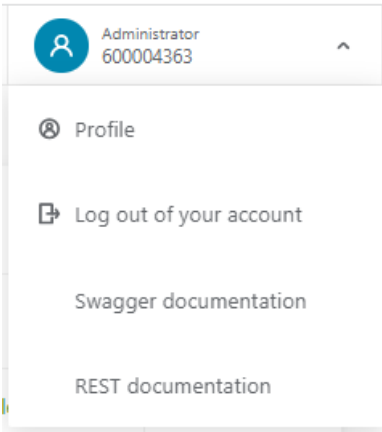
Information Panel menu
Figure 10

The information panel contains the "User" item, when selected, a menu (Figure 14) appears, in which the following elements are available:

    1) The "Profile" item, where the Name of the organization, IIN \ BIN, address and contact person are indicated.
    2) The "Log out of account" item, intended for exiting the program.

2.6.2. Common interface elements
2.6.2.1. Working with tables

If the number of rows exceeds the visible size of the table, it is divided into pages, the transition between pages is carried out by means of the navigation panel located in the lower left part of the table.

Table Navigation panel
Figure 11

The navigation bar contains the buttons " <" and "> " to go to the previous and next pages of the table, as well as a list of table pages located between these buttons. The current page is highlighted with a blue square, with a single mouse click you can go to the page of interest.
To select all rows on the current table page, select the checkbox in the leftmost column in the table header.
The data in the table can be displayed in the form of text, numerical values, dates, as well as pictograms showing the belonging of the data element represented by the row to a particular product group (Figure 12).

Pictogram of the product group "Medicinal products for medical use"
Figure 12

The appearance of the mouse cursor when hovering over a hyperlink
Figure 13

If the data in the cell is displayed as a hyperlink (when the mouse cursor hovers over them, the latter changes its shape (Figure 13), then a single mouse click on this hyperlink can open a form for viewing a table row in the data display area.

General data

Order 0e4e0285-084d-49c0-8d0b-f2ee293bc5c1

GENERAL DATA

Product group		Medicinal products for medical use
Status		Available
The method of releasing goods into circulation		Imported to Kazakhstan

PRODUCTION DATA

Production ID	1
Manufacturer's country	1
ID of the production line	1

Close order

Order Line View Form
Figure 14

The open fields in the table row view form (Figure 14) are not editable.

+ To create

The "Create" button
Figure 15

⬆ Import

The "Import" button
Figure 16

If a row addition procedure is provided for a table, the corresponding "Create" button is located above the table to perform it (Figure 15) when the administrator/operator enters the data of the added row or "Import" (Figure 16) when receiving data for a new row from a file.

Form for adding a table row with a list of orders
Figure 17

Form for adding a table row with a list of orders
Figure 18

The form for adding a row (Figure 17) that appears in the data display area may consist of several tabs, each of which contains data entry fields for a new row of the table, as well as:

1) The "Save" button, when clicked, the row with the data entered in the fields is added to the table, a pop-up message about adding data appears, and the form is removed.

Pop-up window for adding data
Figure 19

2) The "Cancel" button, when clicked, the addition of the line is canceled, and the form is removed.

Button for deleting a form element
Figure 20

Some tabs may contain several fields or blocks of fields that are added as necessary, a special button is used to delete such elements that were added incorrectly (Figure 20).

Some of the column headers are designed to sort the table by one or another column — the user can click on the column header, while the icon in the header displays the order of sorting — by increasing or decreasing the values in the column (Figure 21).

Sort by column "Number of products" in ascending order
Figure 21

To limit the rows displayed in the table by one or another value in a column, some of the columns are provided with appropriate controls:
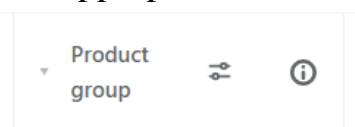
Icon for filtering by the value of the "Product group" column
Figure 22

To filter by column value, click on the icon to the right of the column name (Figure 31). In the filter by value window that appears, select the value by which the rows will be filtered from the drop-down list.

The selected column value is displayed in the field, and the user can add multiple values at the same time. To delete mistakenly added values, click on the "×" icon to the right of the value.

The user must click the "Apply" button to enable the filter or "Cancel" to refuse filtering, and only those rows in which the column value is equal to the value selected in the filter window will be displayed in the table.
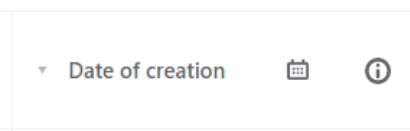
Icon for filtering by date of the "Creation date" column
Figure 23

To filter by date, click on the icon to the right of the column name (Figure 23). In the calendar window that appears, select the date by which the table will be filtered in this column.

2.6.2.2.Filling in the fields

The user can enter a value in the field in direct input mode.

Filling in fields
Figure 24

2.6.2.3.Using the calendar

To enter dates into various fields of the on-screen forms of the program's information services, a calendar is used, the window of which (Figure 25) appears when the corresponding field is selected.

Calendar Window
Figure 25

When entering a date using a calendar, the user has the ability to:

1) Select the desired day of the month with a single mouse click, while the value of the selected date appears in the input field, and when the calendar is called again, the previously selected date is highlighted in blue in it.

2) Select the month and year using the buttons to scroll the month back " <" or forward "> ".

2.6.3. Use of information services
2.6.3.1. Working with the list of orders

The formation and control of the status of the order for the issue of marking codes is carried out in the "Orders" section.

To work with the list of orders, select the "Orders" item in the main menu, after which the "Active" and "Order History" tabs will appear in the data display area.

The Orders tab contains a table with a list of orders (Figure 26).

Table with a list of orders
Figure 26

The order view form contains the tabs "General Data" (displays basic information about the order, Figure 27) and "Products" (contains a table of commodity items, Figure 28). To return to the table with the list of orders, select the hyperlink "Orders" displayed above the order view form, or select the "Orders" item in the main menu.

Order 82dade58-2a40-48b5-9a4f-0b615b42f72b

GENERAL DATA

Product group	Medicinal products for medical use
Status	Available
The method of releasing goods into circulation	Imported to Kazakhstan

PRODUCTION DATA

Production ID	123
Manufacturer's country	USA

Close order

Order viewing form, "General Data" tab
Figure 27

Orders > Order 82dade58-2a40-48b5-9a4f-0b615b42f72b

			General data								Products			
Product code	ⓘ	Total codes	ⓘ	In the code buffer	ⓘ	Received	ⓘ	Codes not available	ⓘ		Status	ⓘ	Actions	
04603988011721		10		10		0		0		⊘	Active		🖨 🗑	

Order viewing form, "Products" tab
Figure 28

Close order

"Close Order" button
Figure 29

For an order with the status "Available", the "Close order" button is displayed on the "General Data" tab (Figure 29), after clicking which a confirmation window for closing the order appears (Figure 30). The same window appears after selecting the "Close order" item in the context menu of the row of the table with the list of orders.
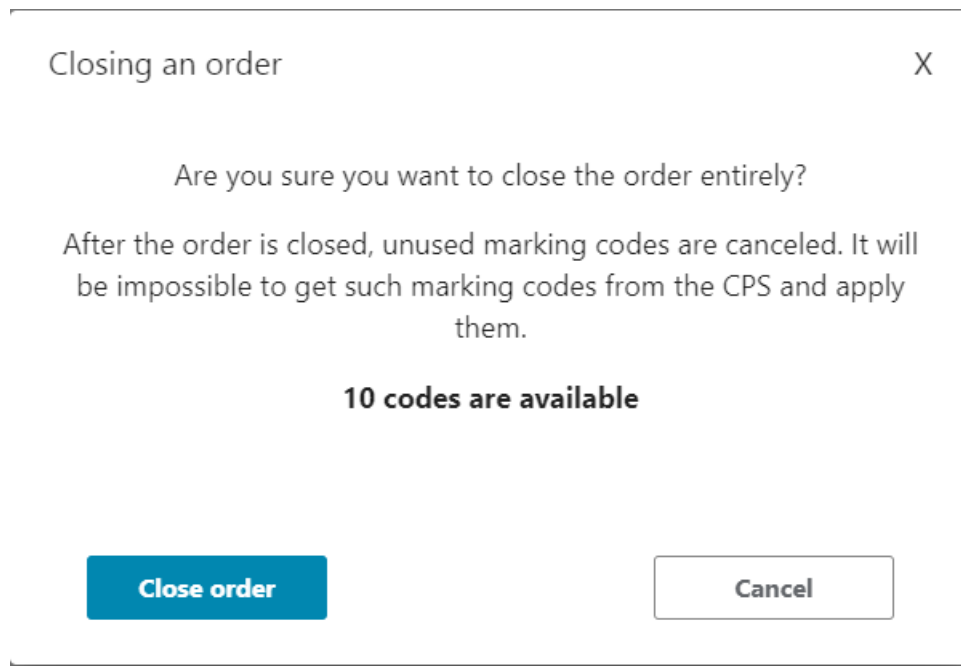
Order Closing Confirmation window
Figure 30

After clicking the "Close Order" button in the order closing confirmation window, the current order is deleted from the order table, while MC that remained unused in this order at the time of its closure can no longer be used.

The table of commodity items contains the following elements:

1) The **"Product Code"** column containing the product IDs for each item.
2) The **"Total codes"** column containing the total number of marking codes required for each item.
3) The column **"In the code buffer"**, containing the number of marking codes for each position in the buffer.
4) The **"Received"** column containing the number of marking codes for each item received by the PGT.
5) The column **"Unavailable codes"**, containing the number of marking codes for each position that are not available in the PGT.
6) The **"Status"** column, which displays the status for each position.

2.6.3.1.1. Creating an order. Product group "Medicinal products for medical use"

To create a new order, click on the "Create" button (Figure 31).
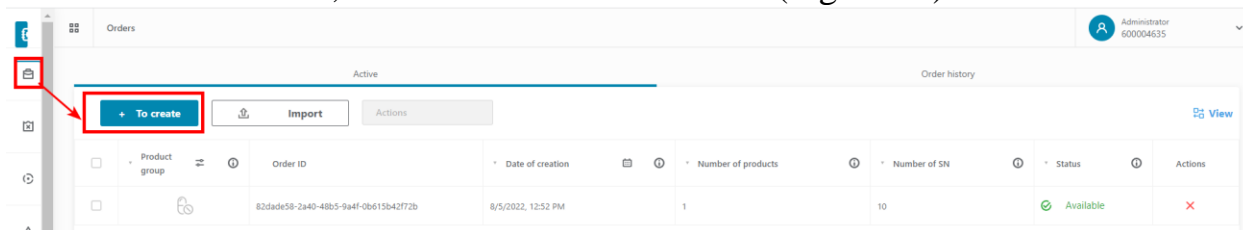
Creating an order
Figure 31

In the "Product group" field, select a product group from the drop-down list.
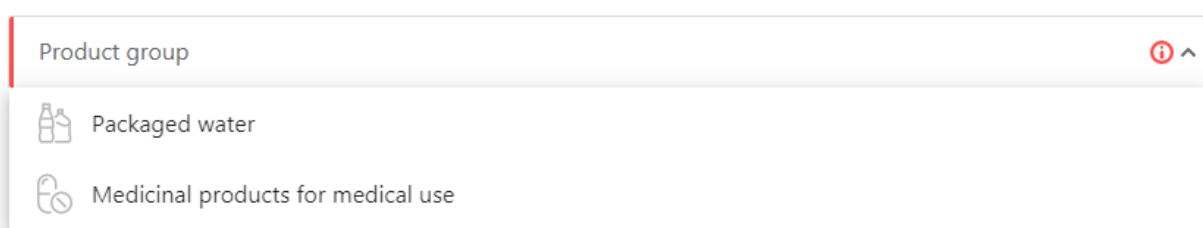
Choosing a product group
Figure 32

In the window that appears, adding rows to the table with the list of orders must be filled with order information (mandatory fields are highlighted in red):

1) **Production ID** (required field) – the field must contain the GLN or IIN/BIN of the company.

2) **The name of the production** (optional field) is the name of the manufacturer, factory or factory that manufactures the products.

3) **Manufacturer's country** (required field) – the country of registration of the manufacturer of the product.

4) **Production address** (optional field) – the address where the products were directly manufactured.

5) **The ID of the production line** (optional field) is the internal number of the product release and packaging line. Used by the manufacturer for internal accounting.

6) **Production order number** (optional field) – the order number for the production of marking codes. It is indicated by the manufacturer for further comparison of the number in the OMS and in the internal accounting system of the enterprise.

7) **Expected production date** (optional field) – the date of the start of the product release.

8) **The method of product release** (mandatory field) – two values are allowed: "Imported to Kazakhstan" (selected when importing products from abroad), "Produced in Kazakhstan" (selected when producing goods in the Republic of Kazakhstan).

9) **Country of manufacture** (optional field).
10) **Product code** (optional field) – SKU – item identifier, accounting unit, warehouse number, article, etc.
11) **A short description of the product** (optional field) – the name of the product, the form of release, etc.

After filling in all the fields, click the "Go to products" button.

New order
Figure 33

In the second step, you need to fill in the product information (GTIN).

For the "Medicines" product group, the order for the issue of codes must contain only one GTIN.

Select the method of generating the serial number, the number of necessary marking codes (no more than 150,000) and click "Save".

Saving an order
Figure 34

The window of the added row of the product table (Figure 34) contains the following elements common to all product groups:

Delete row button
Figure 35

1) The delete row button, through which you can delete the current row from the product table (Figure 35).
2) The **"Product code"** field, filled in by direct input.
3) The **"Number of MC" field**
4) The method of generating the serial number (**"Automatically"/ "By the User").**
5) The **"Send Request"** button to verify the existence and affiliation of GTIN in the National Catalog.

Attention! If an order is formed for the first time using a newly registered product card (GTIN), then it is mandatory to check the product code by sending a request in the order formation form or in the "Products" tab - "Send a request". After receiving a positive response, you can continue forming the order.

When choosing the method of formation by the "User". A window for downloading serial numbers will appear, which contains the following elements:
1) The **"CSV File with serial numbers" button,** when the button is clicked, a standard file selection window opens. The file must be in CSV format, contain 1 column with serial numbers. The serial number is 13 characters (numbers, letters, special characters). After selecting the file, the number of uploaded records is reflected in the downloads field.
2) The **"Download"** button, by pressing the button, serial numbers are downloaded from the selected file.
3) The **"Close"** button, when pressed, the window is closed without saving data.
4) The **"Save"** button allows you to send a request for marking codes.
5) The **"Cancel"** button that closes the order confirmation window without sending a request for marking codes.

After clicking on the "Save" button, the order takes the status "Created". Send it by clicking on the "Sign" button in the "Action" column, after which the order status should change to "Available". (Figure 36).

Signing an order for the issue of marking codes
Figure 36

2.6.3.1.2. Order Import

To import an order from a file, go to the menu item "Orders" - "Active"-"Import" (Figure 37), after clicking it, a standard file selection window opens.
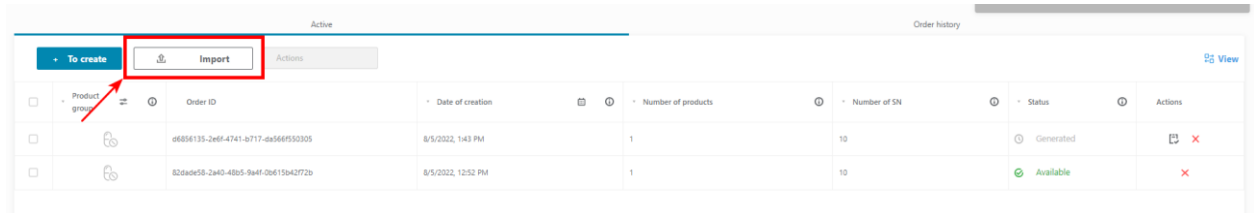
The "Import" button
Figure 37
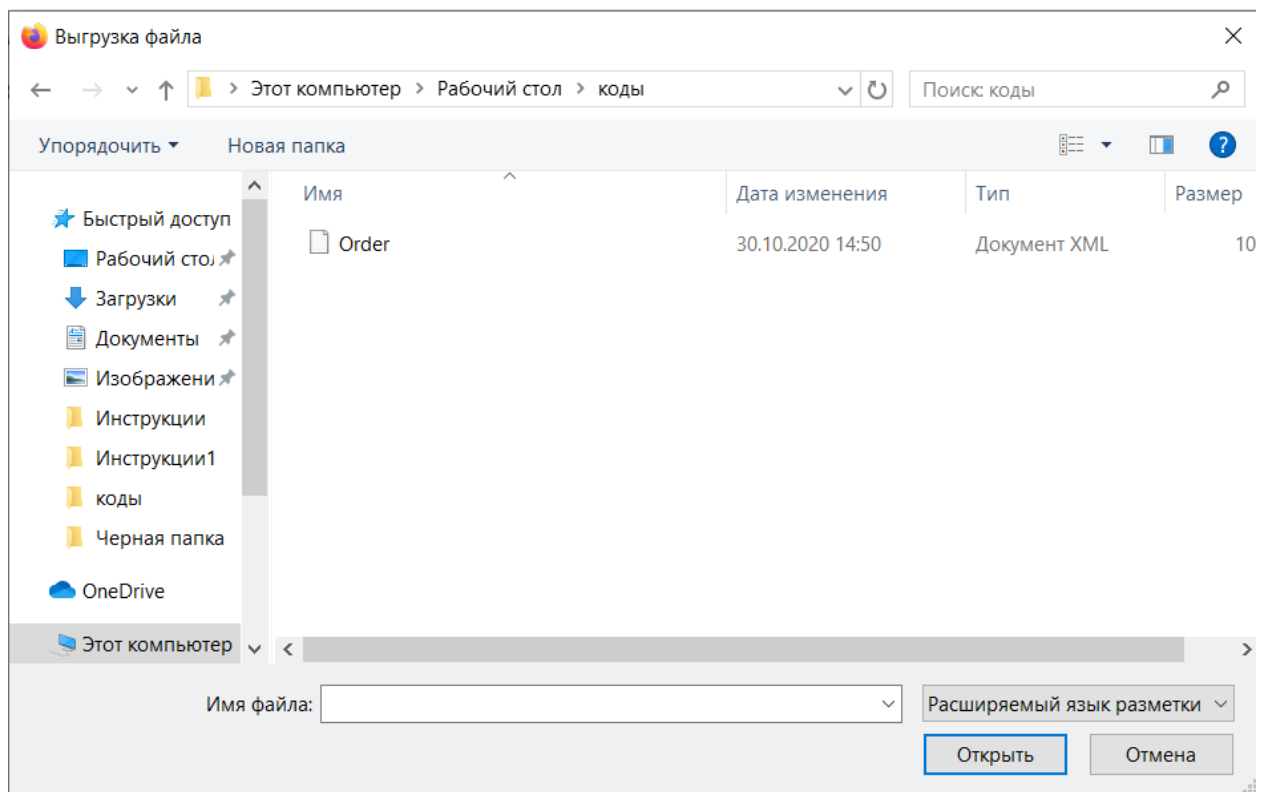
Selecting a file to import
Figure 38

A file selection window opens. It is necessary to select the desired XML file and click the "Open" button.

An example of an XML format file is given in the paragraph Formats of uploaded data.

2.6.3.1.3. Printing of marking codes

To print the marking codes, go to the item me "Orders" - "Active". Select the desired order and click on the "Order ID" (Figure 39).
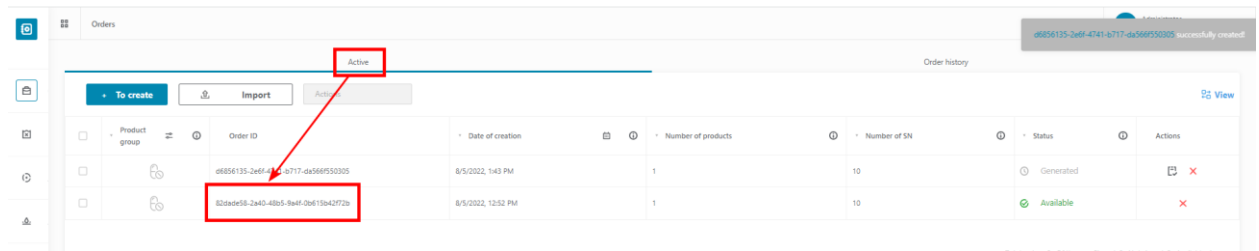
The "Active" tab
Figure 39

In the order card, go to the "Products" tab and click the "Print" button (Figure 40)
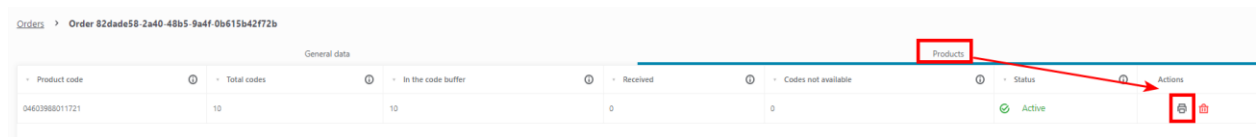
Dialog box for printing marking codes
Figure 40

The window for printing the marking codes of the order item codes contains the following buttons:

1) The **"Print"** button, after clicking which a standard Web browser dialog box appears, allowing you to save a file with marking codes.

2) The **"Cancel"** button, which closes the dialog box for printing marking codes.

Window for printing marking codes
Figure 41

The print dialog box contains the following fields:

- Format:

Drop-down list of the "Format" field
Figure 42

- When choosing the PDF format, the types of arrangement on the print sheet are offered:

- Label templates of labels (Figure 43):
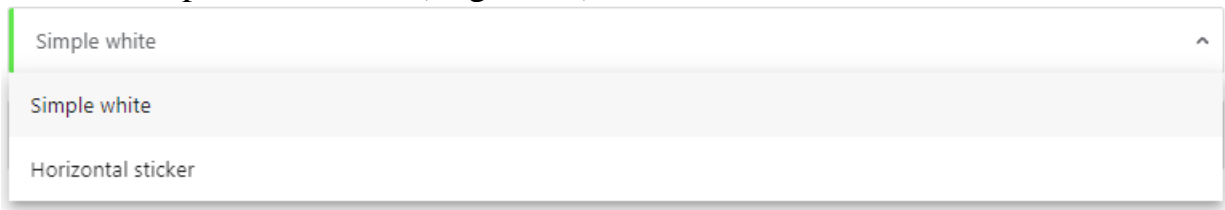
Drop-down list of the "Label Templates" field
Figure 43

 - Quantity.

Label Sizes:
Plain white - 3*2.5 cm
Horizontal label - 4.5*1.5 cm

Attention! After the marking codes are exhausted, the order is closed automatically after 3 days. Re-printing of the marking codes will not be available.

2.6.3.1.4. Working with the order history

To work with the order history, select the "Orders" item in the main menu and go to the "Order History" tab, after which a table with a list of orders processed by the system will appear in the data display area (Figure 44).

Table with the list of orders processed by the system
Figure 44

The form for viewing the order processed by the system contains the tabs "General data" (displays basic information about the order) and "Products" (contains a table of commodity items. To return to the table with the list of orders processed by the system, select the "Orders" item in the main menu and go to the "Order History" tab.

The form for viewing the order processed by the system, the "General data" tab
Figure 45

The form for viewing the order processed by the system, the "Products" tab
Figure 46

2.6.3.2.   Working with the list of aggregation reports

To work with the list of aggregation reports, select the "Aggregation" item in the main menu, after which a table with a list of aggregation reports, if any, will appear in the data display area (Figure 47).

Table with a list of aggregation reports
Figure 47

The aggregation report view form contains the "General Data" and "Aggregated MC" tabs. To return to the table with the list of reports, select the "Aggregations" hyperlink displayed above the report view form, or select the "Aggregation" item in the main menu.

Aggregation report view form, "General Information" tab
Figure 48

Aggregation report view form, Products tab
Figure 49

2.6.3.2.1. Aggregation. Product group "Medicinal products for medical use"
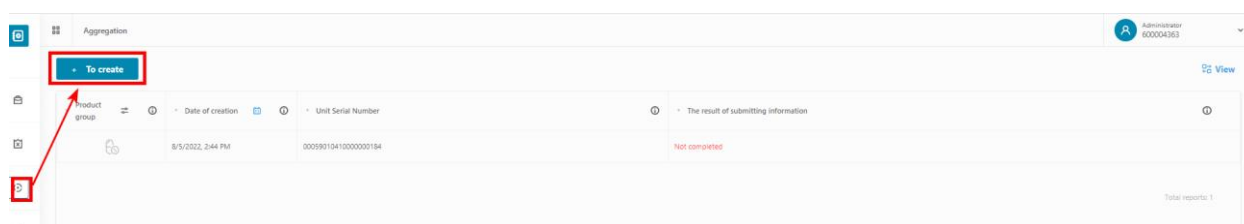
The identification code of the transport package is provided by the turnover participant in the form of a one-dimensional barcode corresponding to the international standard GS1-128 or in the form of a two-dimensional barcode in the DataMatrix format. The composition of the transport package identification code is determined by the turnover participant who aggregates tobacco products into transport packaging.

Examples of MC of transport packaging for the "Medicines" product group:

00059010410000000149
00059010410000000156

To work with the list of reports for aggregation, select the "Aggregation" menu item in the main menu, after which a table with a list of aggregation reports will appear in the data display area.

List of aggregation reports
Figure 50

To aggregate products, click the "Create" button. In the window that appears, select the "Product group" and click on the "Go to products" button.

Choosing a product group
Figure 51

After selecting the product group, a window will open to fill out the Aggregation report. It is necessary to fill in all the fields, and also enter the Unit code in the "MC Unit" field. The format of the unit code is SSCC (00 + 18 digits) and click on the "Go to products" button.

Filling out the aggregation report
Figure 52

At this step, you need to add products for aggregation. The products for aggregation must have the same GTIN.

The marking code is entered without the application identifier (91) and the verification key (see Templates of marking codes for product groups). Then click on the "Save" button.

Adding aggregated product codes
Figure 53

After saving the aggregation report, the data must be sent to the MTG IS. To do this, go to the "Documents" item in the main menu, select the desired report and click "Send with signature" (Figure 54).

Sending a report on aggregated products to the MTG IS from the OMS
Figure 54

The Aggregation report has the status "Pending" before it is sent to the MTG IS. After sending, the status changes to "Ready to send" and "Available", this status is final. It means that the report has been successfully sent to the MGT IS.

For the successful processing of the Aggregation Report in the MTG IS, the status of the marking codes must be "Applied". That is, for marking codes that are aggregated, a drawing report must be sent before the aggregation report is created.

Attention! Information about processed reports is stored in the OMS for 30 days! After the expiration of 30 days, all information about processed reports is deleted.

2.6.3.3. Working with the list of MC application reports

To work with the list of MC application reports, select the "Application" item in the main menu, after which a table with a list of MC application reports will appear in the data display area (Figure 55).

Table with a list of MC application reports
Figure 55

The form for viewing the MC application report contains the tabs "General Information" (displays basic information about the report (Figure 55) and "MC applied" (contains information about MC application (Figure 56). The table in the "Products" tab contains a list of applied marking codes displayed without a verification code. To return to the table with the list of reports, select the hyperlink "Reports" displayed above the report view form, or select the "Drawing" item in the main menu.

The form for viewing the MC application report, the "General Information" tab
Figure 56

The form for viewing the MC application report, the "Products" tab
Figure 57

2.6.3.3.1. Application. Product group "Medicinal products for medical use"

To work with the list of applied MC in the main menu, select the "Application" item, after which a table with a list of application reports, if any, will appear in the data display area (Figure 58).
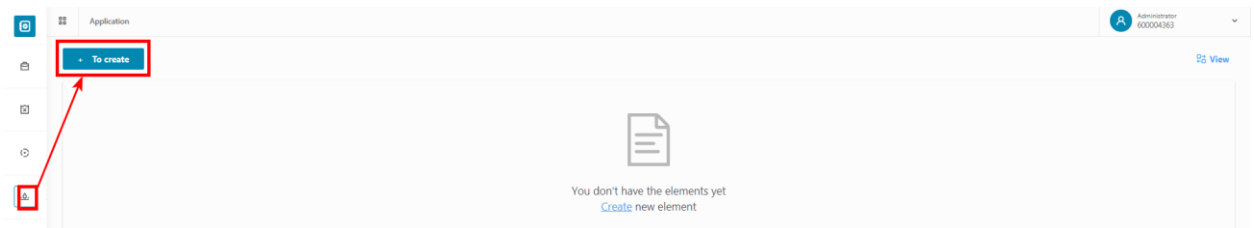
Application Report
Figure 58

To create a new report on the application of marking codes, click the "Create" button. In the window that appears, select the "Product group". And click on the "Save as draft" button.
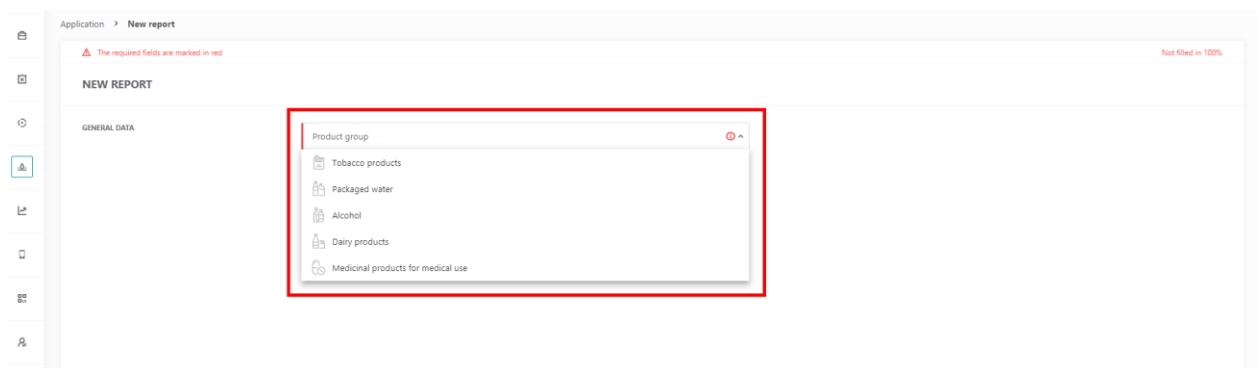
Choosing a product group
Figure 59

In the "General data" block, you must select the "Type of use" of MC:

1) **MC was printed** - this status means that the marking codes were printed at the production of tobacco products, but their application was not confirmed by scanning.

2) **MC application is confirmed** - this status means that the marking codes have been printed and their application has been confirmed by scanning.

These statuses relate only to the business process in production and do not affect the subsequent movement of the marking codes in the MTG IS in any way.

Next, fill in the fields (required fields are highlighted in red):

1) **The production order identifier** (optional field) is the internal number of the order for the production of marking codes. It is indicated by the manufacturer for further comparison of the number in the OMS with the internal accounting of the pre-event.

2) **Production series number** (required field) – the number of the series or batch of manufactured products is indicated.

3) **The ID of the automated process control System application report** (optional field) is indicated in cases where an automated process control system (automated process control system) is available at the production facility, which reads the marking codes from the products and generates a response about the application with an identification number assigned to it. This number, if necessary, can be added to the report on the application in the OMS.

4) **The name of the product brand** (optional field).

5) **Expiration date** (required field) – the expiration date of the marked batch of products.

6) **Products** (required field) - a list of product macro codes is added in CSV format (Figure 61).

The message formats and data conversion methods can be found in the paragraph [Formats of uploaded data.](#)

After filling in all the fields, click the "Save as draft" button.

Creating a drawing report

Figure 60

Example of MC in CSV format

Figure 61

After saving the application report, the data must be sent to the MTG IS. To do this, go to the "Documents" item in the main menu, select the desired report and click "Send with signature" (Figure 62).

Sending a report on the application of products to the MTG IS from the OMS

Figure 62

The application report has the status "Pending" before it is sent to the MTG IS. After sending, the status changes to "Ready to send" and "Available", this status is final. It means that the report has been successfully sent to the MGT IS.

Attention! Information about processed reports is stored in the OMS for 30 days! After the expiration of 30 days, all information about processed reports is deleted.

2.6.3.4. Working with a list of reports on the withdrawal of rejected products in production

To work with the list of reports on the withdrawal of rejected products in production, select the "Rejection" item in the main menu, after which a table with a list of reports on the withdrawal of rejected products in production will appear in the data display area (Figure 63).

Table with a list of reports on the withdrawal of rejected products in production
Figure 63

The form for viewing the report on the withdrawal of rejected products in production contains the tabs "General Information" (displays basic information about the report) and "Goods" (contains a table of commodity items). To return to the table with the list of reports, select the "Rejections" hyperlink displayed above the report view form, or select the "Rejection" item in the main menu.

Form for viewing the report on the withdrawal of rejected products in production, the "General Information" tab
Figure 64
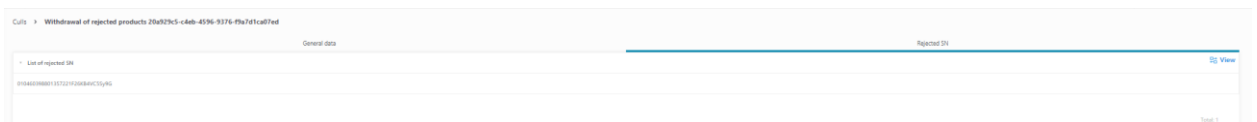
Form for viewing the report on the withdrawal of rejected products in production,
the "Products" tab
Figure 65

2.6.3.4.1. Rejection. Product group "Medicinal products for medical use"

To display the rejected products, click the "Create" button (Figure 66).
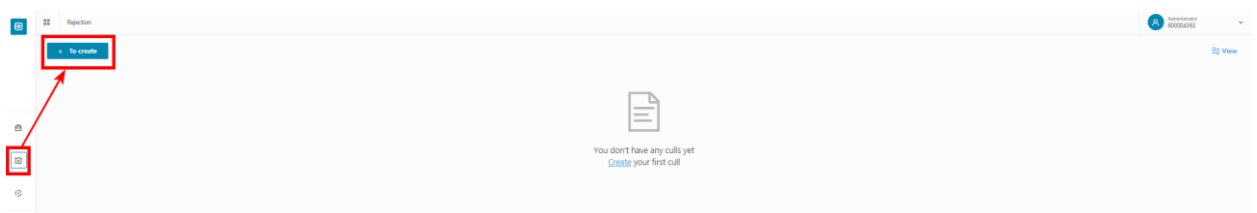
Creating an order
Figure 66

In the window that appears, select the "Product group" and click on the "Go to products" button

.
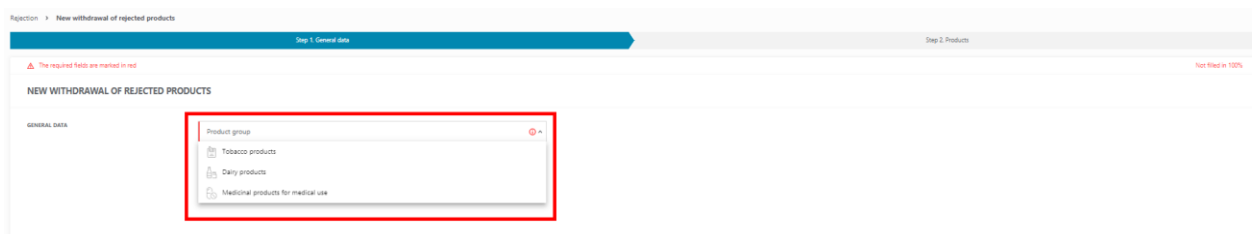
Output of the product group
Figure 67

At this step, it is necessary to fill in all required fields (required fields are highlighted in red). It is also mandatory to fill in the fields "Document number" and "Document date". Specify the reason for rejection from the drop-down list, as well as the address where the write-off was made (Figure 68).

Withdrawal of rejected products
Figure 68

At the next step, in the "Goods" field block, it is necessary to add Labeling Codes for products intended for withdrawal from circulation. Click the "Save" button.

Adding products for withdrawal from circulation
Figure 69

After saving the rejection report, it will take the status "Not completed" (Figure 117), the data must be sent to the MTG IS.

Document status after creation
Figure 70

To do this, go to the "Documents" item in the main menu, select the desired report, click on the "Send with signature" button. (Figure 71).
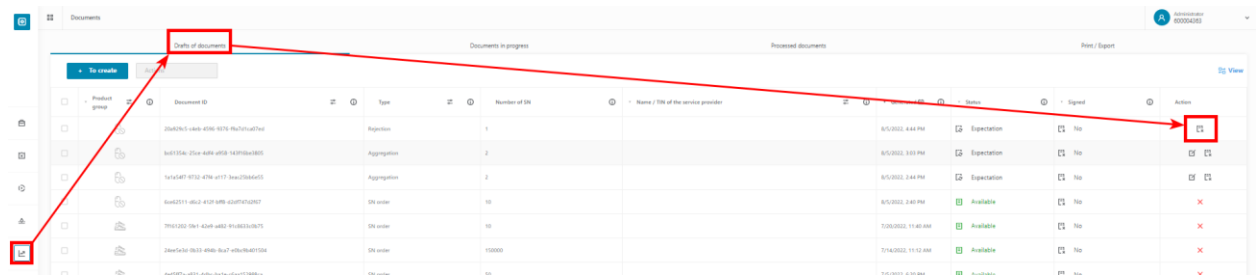
Signing of the report on rejected products
Figure 71

The rejection report has the status "Pending" before it is sent to the MTG IS. After sending, the status changes to "Ready to send" and "Available", this status is final. It means that the report has been successfully sent to the MGT IS.

Attention! Information about processed reports is stored in the OMS for 30 days! After the expiration of 30 days, all information about processed reports is deleted.

2.6.3.5. Working with the list of devices

The list of devices is available only to the user with the role of "Administrator of the management system".
To work with the list of devices, select the "Devices" item in the main menu, after which a table with a list of devices will appear in the data display area (Figure 72).

Working with the list of devices
Figure 72

To delete a device, use the "Delete" command in the context menu of the table row with the list of devices (Figure 73).
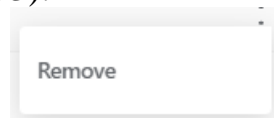
Context menu of a table row with a list of devices
Figure 73

When this command is selected, a confirmation window for deleting the device appears (Figure 74).
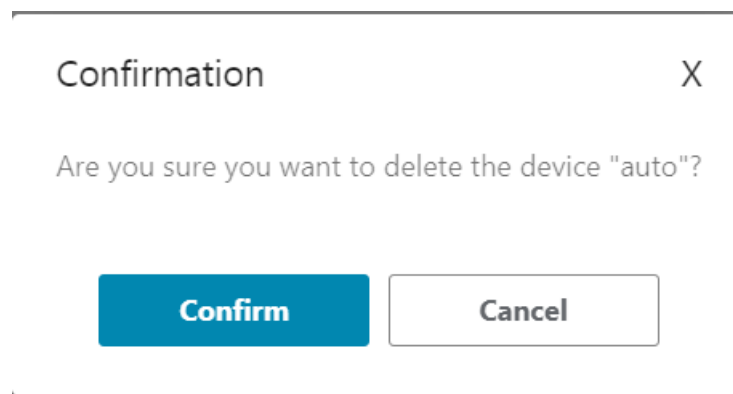
Confirmation window for deleting the device
Figure 74

The confirmation window for deleting a device contains the "Confirm" buttons, after clicking which the device is removed from the table, and "Cancel", clicking which stops the deletion operation.

The form of the added row of the table with the list of devices
Figure 75

The form of the added row of the table with the list of devices contains the following elements (Figure 75):

    1) The **"General Data"** field block, which includes:

    − The **"Name"** field, which defines the name of the device and is filled in by direct input.

    − The **"Type" field**, defining the type.

    − The "Draft" checkbox.

Drop-down list of the "Sending mode" field
Figure 76

    − The **"Sending mode"** field, which defines the mode of data exchange with the device and is filled in from the drop-down list (Figure 76).

    2) The **"Cancel"** button, when clicked, the procedure for adding a line stops.

    3) Button**"Create"**, when clicked, a row with the entered data is added to the table with the list of devices.

After adding the device, the id value will appear in the "Token" field, which should then be used to create orders using the API method.
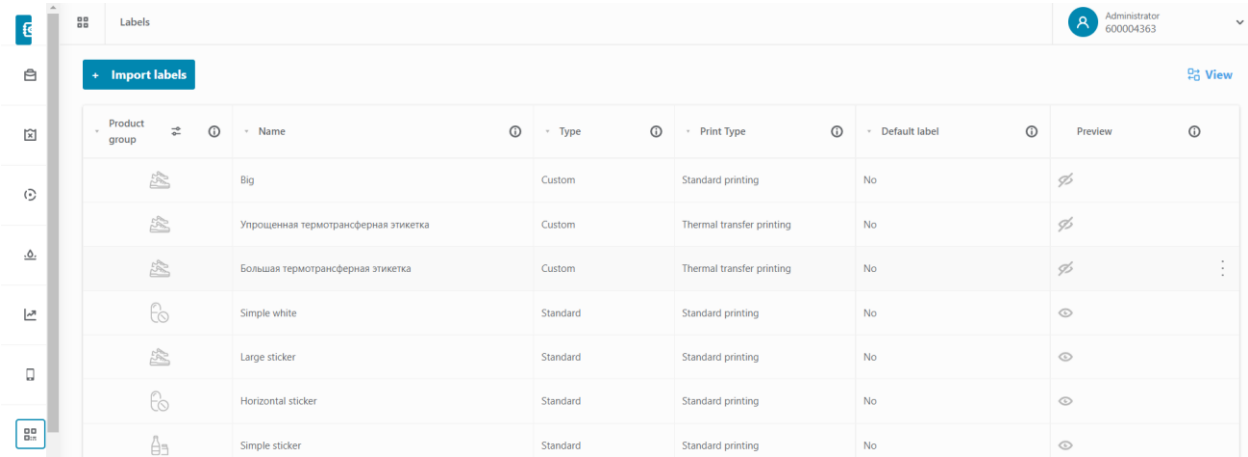
The "Token" field
Figure 77

When you select the "Dispatch Mode" - Automatically, the order is created automatically.

When selecting the "Dispatch Mode" - Manually, to send the created order, you need to go to the "Orders" menu item and confirm the dispatch of the order.

2.6.3.6. Working with labels

The Labels section is designed to manage the label template registry.
To work with labels, select the "Labels" item in the main menu, after which a table with a list of labels will appear in the data display area (Figure 78).

Table with a list of labels
Figure 78

Icon for calling the label preview window
Figure 79

When you click on the icon to open the label preview window, a label preview window appears in the "Preview" column (Figure 80).

Label Preview window
Figure 80

To select labels, use the checkboxes in the leftmost column of the table.
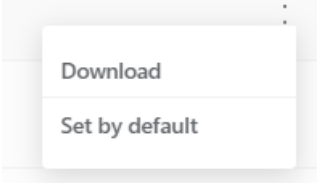
Context menu of a table row with a list of labels
Figure 81

To import labels, click on the "Import" button (Figure 82).

Importing labels
Figure 82

After clicking on the "Import" button, the label import form will open.

The form for importing a file with a label
Figure 83

The form for importing a file with a label contains the following elements (Figure 141):
The "General Data" field block, which includes:

The "File" button
Figure 84

– The **"File"** button (Figure 84), when clicked, a standard file selection window appears in which you need to select the imported file with a JASPER report format containing the label.
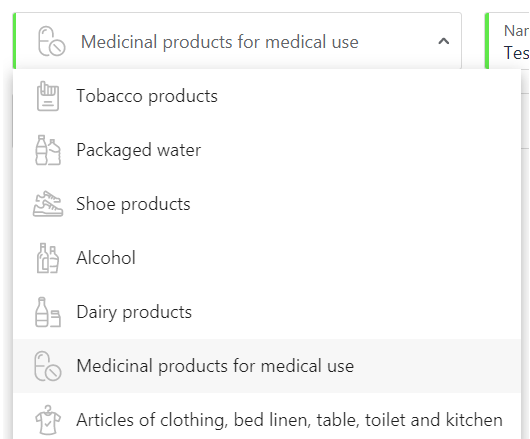
Drop-down list of the "Product group" field
Figure 85

– The **"Product group"** field, which defines the product group of the imported label and is filled in from the drop-down list (Figure 85).
– The **"Name"** field, intended for entering the label name displayed in the system interface, and filled in by direct input.
– The printing method **is "Standard"** or **"Thermal transfer"**.
When choosing the "Thermal Transfer" printing method, additional fields appear to fill in: Width and Height.
The width should be indicated 100 mm, height 71 mm.

Thermal transfer printing
Figure 86

- The **"Cancel"** button, when pressed, the procedure for adding a line stops.
- The **"Import"** button, when clicked, a row with the imported data is added to the table with the list of labels.

2.6.3.7. Formats of uploaded data

1. **CSV** is a special text format, the data inside of which is separated by commas. Current format:
   - each code in a separate line
   - not shielded
   - in each line \r\n.

   This format can be opened by most editors capable of working with tables and texts, including Excel, Notepad, Notepad, etc.
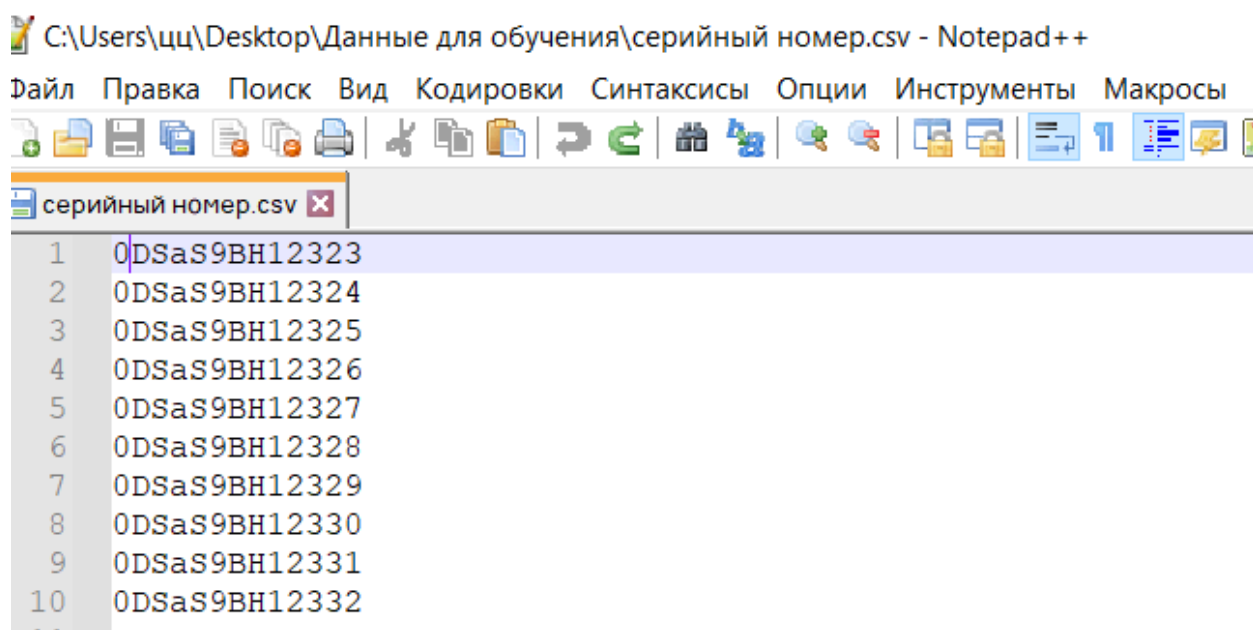
Example of a CSV file opened via NotePad
Figure 87

You can create a CSV file to download serial numbers when creating an order via NotePad, Notepad, Excel, etc. Below is an example of creating a CSV file from an Excel spreadsheet, which allows you to convert documents to the desired format for uploading to the OMS.

You must enter the serial numbers in column A, as shown in the example.
TG "Medicines" - 13 characters of the serial number
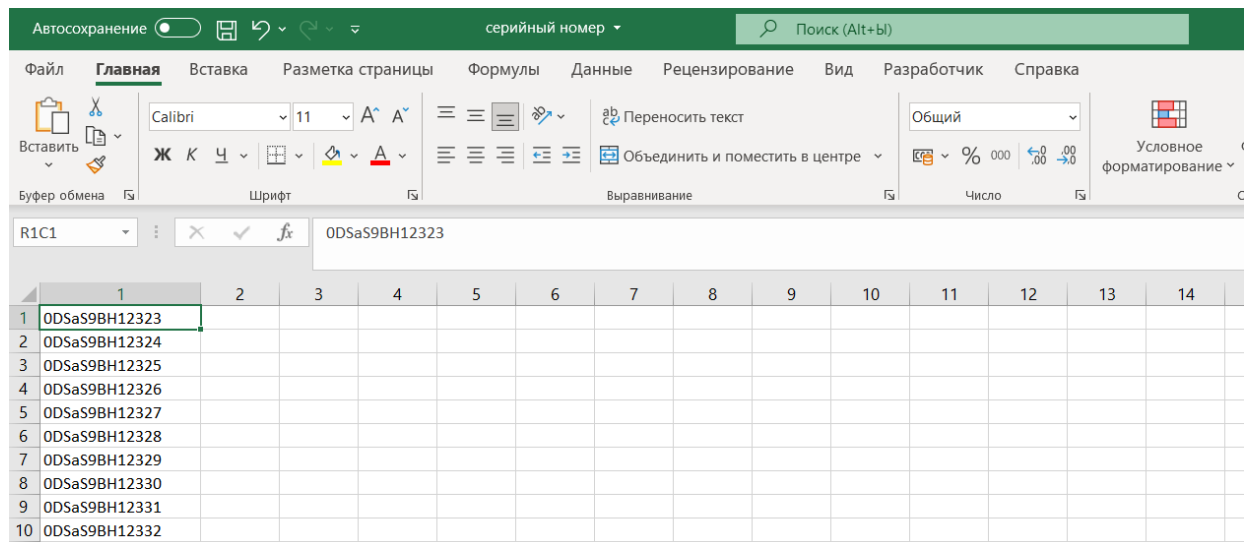
Filling in an xls, xlsx file
Figure 88

To convert a file to CSV, you will need to click on the "File" button (upper left corner).

Next, select "Save as" and click on "Browse". Select convert file.
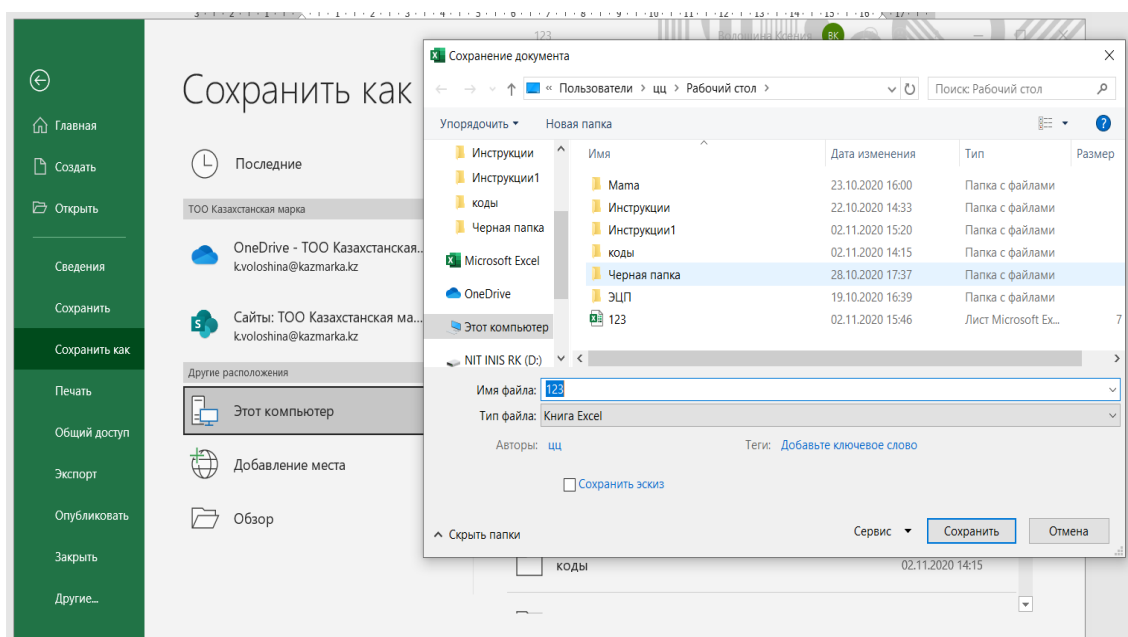
Choosing a file to convert
Figure 89

Next, you need to select the CSV format and save it.
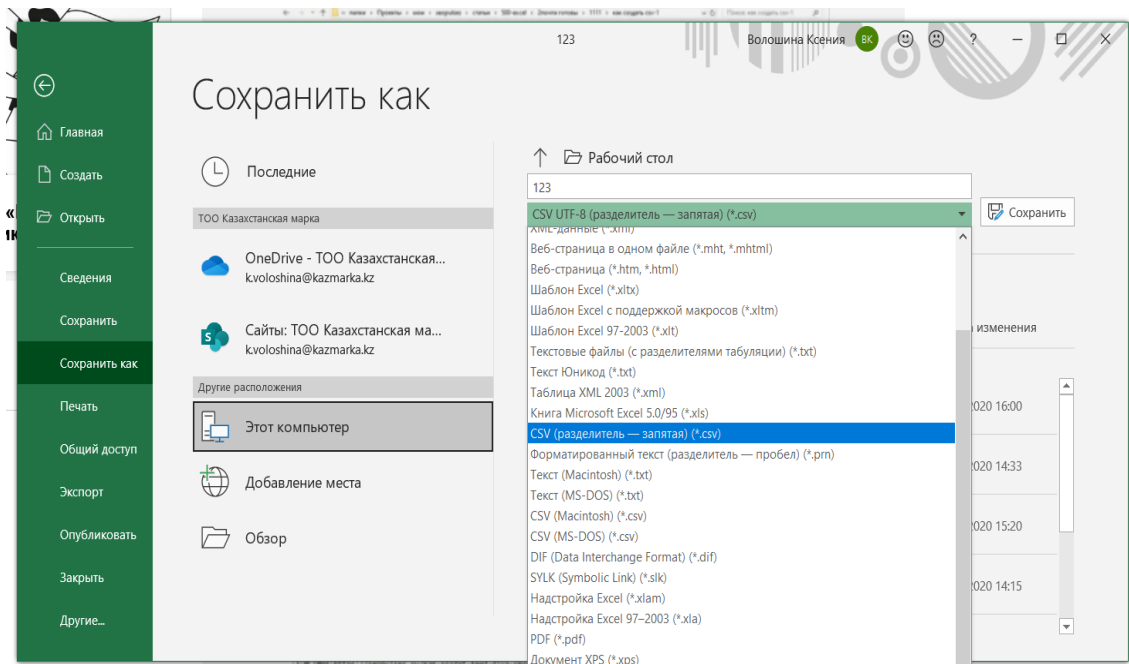
Saving a file
Figure 90

2. **XML** (*e X tensible M arkup L anguage*) is an extensible markup language. XML is a text file that is structured in one way or another (according to the standard) for exchange between programs.

This format can be opened by most editors, including Notepad, Notepad, etc.

Below is an example of an xml format file for uploading to the OMS.

```xml
<?xml version="1.0" encoding="utf-8"?>
<order xmlns="urn:oms.order" xsi:schemaLocation="urn:oms.order schema.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <pharma>
    <productGroupe>pharma</productGroupe>
    <factoryId>1</factoryId>
    <factoryName></factoryName>
    <factoryAddress></factoryAddress>
    <factoryCountry>RU</factoryCountry>
    <productionLineId>1</productionLineId>
    <productCode>04603988016979</productCode>
    <productDescription>парацетамол</productDescription>
    <poNumber>1</poNumber>
    <releaseMethodType>IMPORT</releaseMethodType>
    <expectedStartDate>2022-05-26</expectedStartDate>
    <country></country>
    <products>
      <product>
        <gtin>04603988016979</gtin>
        <quantity>2</quantity>
        <serialNumberType>OPERATOR</serialNumberType>
        <templateId>5</templateId>
      </product>
    </products>
  </pharma>
</order>
```

It is necessary to edit the XML format file for import into the OMS in accordance with the XSD scheme, which is given below.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2020 sp1 (http://www.altova.com) by DDD (DDD) -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="urn:oms.order"
targetNamespace="urn:oms.order" elementFormDefault="qualified"
attributeFormDefault="unqualified">
    <xs:element name="order">
        <xs:annotation>
            <xs:documentation>Заказ кодов маркировки</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:choice>
                <xs:element name="shoes" type="OrderShoesType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы «Обувные
товары»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="alcohol" type="OrderAlcoholType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы
«Алкоголь»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="tobacco" type="OrderTobaccoType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы «Табачная
продукция»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="pharma" type="OrderPharmaType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы
«Лекарственные препараты для медицинского применения»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="milk" type="OrderMilkType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы «Молочная
продукция»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="lp" type="OrderLpType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы «Предметы
одежды, белье постельное, столовое, туалетное и кухонное»</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="water" type="OrderWaterType">
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы
«Упакованная вода и сахаросодержащие напитки»</xs:documentation>
                    </xs:annotation>
                </xs:element>
            </xs:choice>
        </xs:complexType>
    </xs:element>
    <!-- simpleType -->
    <xs:simpleType name="serialNumberType">
        <xs:annotation>
            <xs:documentation>Способ формирования серийного номера.
Самостоятельно - SELF_MADE,  Оператором - OPERATOR </xs:documentation>
        </xs:annotation>
        <xs:restriction base="xs:string">
            <xs:enumeration value="SELF_MADE"/>
```

```xml
<xs:annotation>
        <xs:documentation>Способ изготовления.</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
        <xs:enumeration value="SELF_MADE"/>
        <xs:enumeration value="CEM"/>
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="productGroupType">
    <xs:annotation>
        <xs:documentation/>
    </xs:annotation>
    <xs:restriction base="xs:string">
        <xs:enumeration value="shoes"/>
        <xs:enumeration value="tobacco"/>
        <xs:enumeration value="alcohol"/>
        <xs:enumeration value="pharma"/>
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="cisType">
    <xs:annotation>
        <xs:documentation/>
    </xs:annotation>
    <xs:restriction base="xs:string">
        <xs:enumeration value="UNIT"/>
        <xs:enumeration value="GROUP"/>
    </xs:restriction>
</xs:simpleType>
<!-- OrderProducts -->
<xs:complexType name="OrderProduct">
    <xs:sequence>
        <xs:element name="gtin">
            <xs:annotation>
                <xs:documentation>Код товара (GTIN)</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:length value="14"/>
                    <xs:pattern value="[0-9]{14}"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="quantity">
            <xs:annotation>
                <xs:documentation>Количество кодов
маркировки</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:positiveInteger">
                    <xs:minInclusive value="1"/>
                    <xs:maxInclusive value="150000"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="serialNumberType">
            <xs:annotation>
                <xs:documentation>Способ генерации серийных
номеров.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
```

```xml
<xs:annotation>
                        <xs:documentation>Способ формирования серийного
номера. Самостоятельно - SELF_MADE,  Оператором - OPERATOR
</xs:documentation>
                    </xs:annotation>
                    <xs:restriction base="xs:string">
                        <xs:enumeration value="SELF_MADE"/>
                        <xs:enumeration value="OPERATOR"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="serialNumbers" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>Массив серийных номеров. Это поле
указывается в случае, если значение «serialNumberType = SELF_MADE»
</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                    <xs:sequence maxOccurs="150000">
                        <xs:element name="serialNumber" type="xs:string"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="OrderProductShoes">
        <xs:complexContent>
            <xs:extension base="OrderProduct">
                <xs:sequence>
                    <xs:element name="templateId">
                        <xs:annotation>
                            <xs:documentation>Идентификатор шаблона
КМ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:positiveInteger">
                                <xs:enumeration value="1"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="OrderProductTobacco">
        <xs:complexContent>
            <xs:extension base="OrderProduct">
                <xs:sequence>
                    <xs:element name="templateId">
                        <xs:annotation>
                            <xs:documentation>Идентификатор шаблона
КМ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:positiveInteger">
                                <xs:enumeration value="3"/>
                                <xs:enumeration value="4"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
```

```xml
    </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="OrderProductAlcohol">
        <xs:complexContent>
            <xs:extension base="OrderProduct">
                <xs:sequence>
                    <xs:element name="cisType">
                        <xs:annotation>
                            <xs:documentation>Тип КМ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="cisType">
                                <xs:enumeration value="UNIT"/>
                                <xs:enumeration value="GROUP"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="templateId">
                        <xs:annotation>
                            <xs:documentation>Идентификатор шаблона
КМ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:positiveInteger">
                                <xs:enumeration value="13"/>
                                <xs:enumeration value="17"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="OrderProductPharma">
        <xs:complexContent>
            <xs:extension base="OrderProduct">
                <xs:sequence>
                    <xs:element name="templateId">
                        <xs:annotation>
                            <xs:documentation>Идентификатор шаблона
КМ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:positiveInteger">
                                <xs:enumeration value="2"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <!-- Orders -->
    <xs:complexType name="OrderType" abstract="true"/>
    <xs:complexType name="OrderAlcoholType">
        <xs:complexContent>
            <xs:extension base="OrderType">
                <xs:sequence>
                    <xs:annotation>
                        <xs:documentation>Категория товарной группы
«Алкоголь»</xs:documentation>
                    </xs:annotation>
                    <xs:element name="productGroupe">
```

```xml
<xs:annotation>
                        <xs:documentation>Категория товарной группы
«Алкоголь»</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="productGroupType">
                            <xs:enumeration value="alcohol"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="contactPerson" type="xs:string">
                    <xs:annotation>
                        <xs:documentation>Контактное
лицо</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="releaseMethodType">
                    <xs:annotation>
                        <xs:documentation>Способ выпуска товаров в
оборот</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="releaseMethodType">
                            <xs:enumeration value="PRODUCTION"/>
                            <xs:enumeration value="IMPORT"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="createMethodType">
                    <xs:annotation>
                        <xs:documentation>Способ изготовления
СИ</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="createMethodType">
                            <xs:enumeration value="SELF_MADE"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="productionOrderId" type="xs:string"
minOccurs="0">
                    <xs:annotation>
                        <xs:documentation>Идентификатор производственного
заказа.</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:element name="products">
                    <xs:annotation>
                        <xs:documentation>Список продуктов
</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                        <xs:sequence maxOccurs="10">
                            <xs:element name="product"
type="OrderProductAlcohol">
                                <xs:annotation>

<xs:documentation>Продукт</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
```

```xml
</xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="OrderShoesType">
        <xs:complexContent>
            <xs:extension base="OrderType">
                <xs:sequence>
                    <xs:element name="productGroupe">
                        <xs:annotation>
                            <xs:documentation>Категория товарной группы
«Обувные товары»</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="productGroupType">
                                <xs:enumeration value="shoes"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="contactPerson" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Контактное
лицо</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="releaseMethodType">
                        <xs:annotation>
                            <xs:documentation>Способ выпуска товаров в
оборот</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="releaseMethodType">
                                <xs:enumeration value="PRODUCTION"/>
                                <xs:enumeration value="IMPORT"/>
                                <xs:enumeration value="REMAINS"/>
                                <xs:enumeration value="CROSSBORDER"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="createMethodType">
                        <xs:annotation>
                            <xs:documentation>Способ изготовления
СИ</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="createMethodType">
                                <xs:enumeration value="SELF_MADE"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="productionOrderId" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Идентификатор производственного
заказа.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="products">
                        <xs:annotation>
                            <xs:documentation>Список продуктов
</xs:documentation>
                        </xs:annotation>
                        <xs:complexType>
                            <xs:sequence minOccurs="1" maxOccurs="10">
```

```xml
<xs:element name="product" type="OrderProductShoes">
                                <xs:annotation>

<xs:documentation>Продукт</xs:documentation>
                                    </xs:annotation>
                                </xs:element>
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="OrderTobaccoType">
        <xs:complexContent>
            <xs:extension base="OrderType">
                <xs:sequence>
                    <xs:element name="productGroupe">
                        <xs:annotation>
                            <xs:documentation>Категория товарной группы
«Табачная продукция»</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="productGroupType">
                                <xs:enumeration value="tobacco"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="factoryId" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Идентификатор производства.
(Глобальный номер места нахождения)</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryName" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Наименование
производства.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryAddress" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Адрес
производства.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryCountry" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Страна
производителя</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="productionLineId" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Идентификатор производственной
линии.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="productCode" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Код продукта
(SKU)</xs:documentation>
```

```xml
</xs:annotation>
                        </xs:element>
                        <xs:element name="productDescription" type="xs:string">
                            <xs:annotation>
                                <xs:documentation>Описание
продукта</xs:documentation>
                            </xs:annotation>
                        </xs:element>
                        <xs:element name="poNumber" type="xs:string">
                            <xs:annotation>
                                <xs:documentation>Номер производственного
заказа</xs:documentation>
                            </xs:annotation>
                        </xs:element>
                        <xs:element name="expectedStartDate" minOccurs="0">
                            <xs:annotation>
                                <xs:documentation>Дата начала производства
продукции по данному заказу.</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:pattern value="[0-9]{4}-(0[1-9]|1[012])-
(0[1-9]|1[0-9]|2[0-9]|3[01])"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="products">
                            <xs:annotation>
                                <xs:documentation>Список
продуктов</xs:documentation>
                            </xs:annotation>
                            <xs:complexType>
                                <xs:sequence minOccurs="1" maxOccurs="10">
                                    <xs:element name="product"
type="OrderProductTobacco">
                                        <xs:annotation>

<xs:documentation>Продукт</xs:documentation>
                                        </xs:annotation>
                                    </xs:element>
                                </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    </xs:sequence>
                </xs:extension>
            </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="OrderPharmaType">
            <xs:complexContent>
                <xs:extension base="OrderType">
                    <xs:sequence>
                        <xs:element name="productGroupe">
                            <xs:annotation>
                                <xs:documentation>Категория товарной группы
«Лекарственные препараты для медицинского применения»</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction base="productGroupType">
                                    <xs:enumeration value="pharma"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="factoryId" type="xs:string">
```

```xml
<xs:annotation>
                        <xs:documentation>Идентификатор производства.
(Глобальный номер места нахождения)</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryName" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Наименование
производства.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryAddress" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Адрес
производства.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="factoryCountry" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Страна
производителя</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="productionLineId" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>Идентификатор производственной
линии.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="productCode" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Код продукта
(SKU)</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="productDescription" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Описание
продукта</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="poNumber" type="xs:string"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Номер производственного
заказа</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="expectedStartDate" minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Дата начала производства
продукции по данному заказу.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:pattern value="[0-9]{4}-(0[1-9]|1[012])-
(0[1-9]|1[0-9]|2[0-9]|3[01])"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
```

```xml
<xs:element name="product" type="OrderProductPharma">
                                        <xs:annotation>

<xs:documentation>Продукт</xs:documentation>
                                        </xs:annotation>
                                    </xs:element>
                                </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    </xs:sequence>
                </xs:extension>
            </xs:complexContent>
        </xs:complexType>
</xs:schema>
```

2.6.3.8. Templates of marking codes for product groups).

Commodity group "Medicinal products for medical use"

Structure and format of the labeling code of consumer packaging

The structure of the marking code establishes the following requirements:

№	Data Group	Number of characters	Note
1	Product code	14	Contains the product code (GTIN), preceded by the application identifier (01), generated by the operator on the basis of information submitted by a participant in the turnover of shoe goods
2	Serial number	13	Generated by the operator or the participant of the turnover (digits, lowercase and uppercase letters of the Latin alphabet, as well as special characters) and contains an individual serial number of the unit of goods, preceded by the application identifier (21). As the final character for this group, a special separator character is used, which has the code 29 in the ASCII character table
3	Verification key	4	Contains the verification key preceded by the application identifier (91) and generated by the operator. It consists of numbers, lowercase and uppercase letters of the Latin alphabet. The final character for this data group is a special delimiter character with code 29 in the ASCII character table.
4	Verification code	44	Contains the verification code preceded by the application identifier (92) and generated by the operator (digits, lowercase and uppercase letters of the Latin alphabet, as well as special characters).

The product code and serial number form the product identification code.

Example of KM of medicines: product code 04870046198488.

01 04870046198488	21 3z+S-i3z+S-i:	91 reSA	92 XBjhasbxahjs5rt68 sxasxsxsczxcXsdc#$%^&*())
AI Product Code	AI Serial Number	AI Verification Key	AI Verification Key

The drug identification tool is provided in the form of a two-dimensional barcode in the GS1-Data Matrix format

Structure and format of the transport package identification code

An identification tool is applied to the transport package in the form of a linear barcode in the Code 128 format in accordance with ISO/IEC 15417-2013, containing a unique identifier of the transport package, which is a unique identifier of the transport package in the form of a Serial Shipping Container Code.

2.6.3.9. Documents

To view documents in the main menu, select the "Documents" item, after which a table with a list of documents will appear in the data display area (Figure 91).
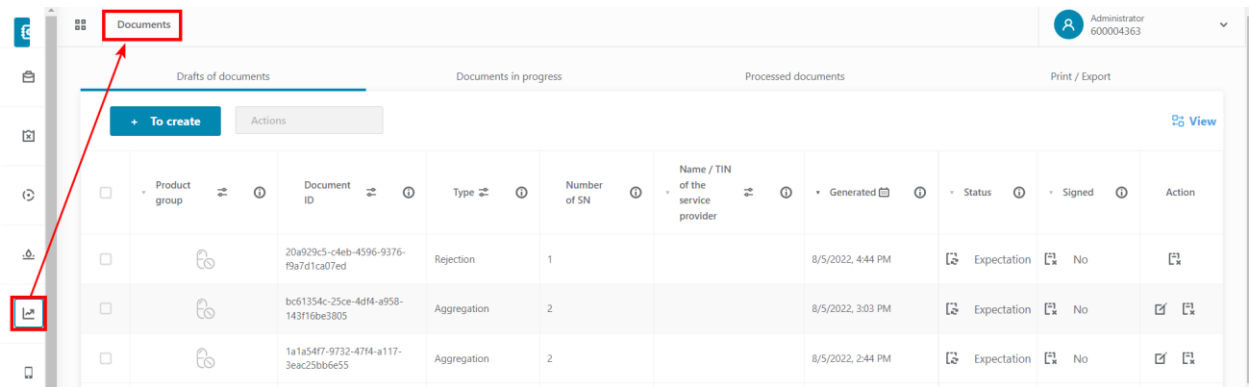
Viewing documents

Figure 91

There are 4 tabs in the Documents menu:

1) **Drafts of documents** (Figure 92);
2) **Documents in progress** (Figure 93);
3) **Processed documents** (Figure 94);
4) **Print/Export** (Figure 95).

Drafts of documents

Figure 92

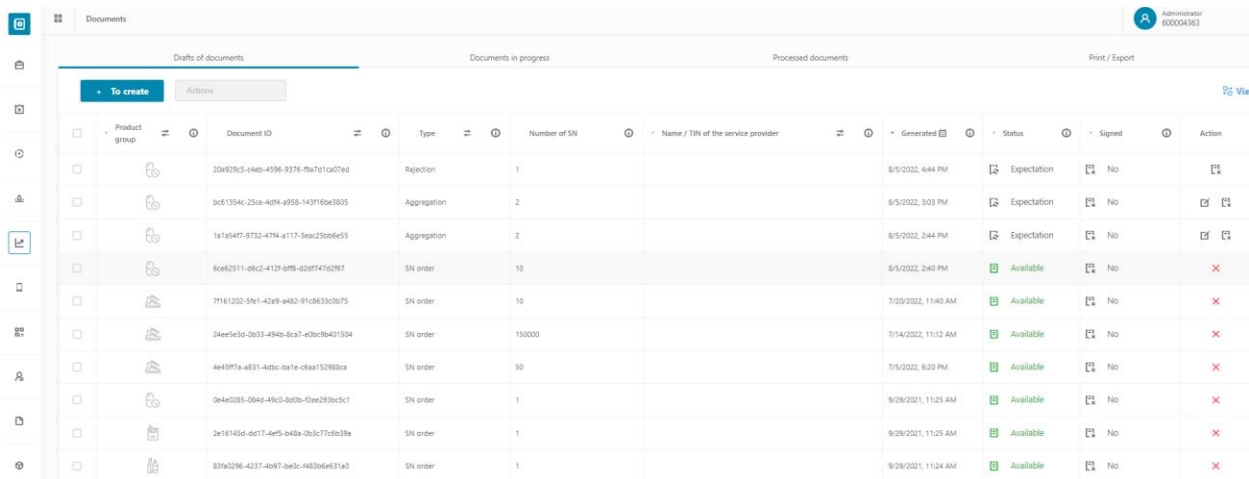| Product group	Document ID	Type	Product code / number of SN	Generated	Status
	20a929c5-c4eb-4596-9376-f9a7d1ca07ed	Rejection		8/5/2022, 4:44 PM	At work
	0ea60393-1817-4ee6-96af-4395ca2d058a	Application		8/5/2022, 3:26 PM	At work
	bc61354c-25ce-4df4-a958-143f16be3805	Aggregation		8/5/2022, 3:03 PM	At work
	1a1a54f7-9732-47f4-a117-3eac25bb6e55	Aggregation		8/5/2022, 2:44 PM	At work
	6ce62511-d6c2-412f-bff8-d2df747d2f67	SN order	04603988013572 (10)	8/5/2022, 2:40 PM	At work
	7f161202-5fe1-42e9-a482-91c8633c0b75	SN issuance	00191028060272 (2)	8/3/2022, 3:57 PM	At work
	898cfb4b-3022-4120-bef6-b826afb930c2	Application		8/3/2022, 10:49 AM	At work
	7f161202-5fe1-42e9-a482-91c8633c0b75	SN issuance	00191028060272 (3)	8/1/2022, 3:38 PM	At work
	7f161202-5fe1-42e9-a482-91c8633c0b75	SN issuance	00191028060272 (1)	8/1/2022, 3:37 PM	At work
	4e45ff7a-a831-4dbc-ba1e-c6aa152988ca	SN issuance	00191028060272 (1)	7/21/2022, 4:56 PM	At work

‹ 1 2 3 4 5 6 7 8 9 … 177 ›   Total: 1764

Documents in progress

Figure 93

Товарная группа	Идентификатор документа	Тип	Код товара / количество КМ	Создан	Закрыт	Статус
	98c56431-a31d-421e-a98d-96fda350a4d4	Заказ КМ	04600494523947 (2)	27.11.2020, 15:47	27.11.2020, 15:50	Обработан с ошибкой
	e1d00ade-a08c-4ee2-bc48-206ae86d1180	Заказ КМ	04870239620049 (1)	27.11.2020, 15:40	27.11.2020, 15:44	Обработан с ошибкой
	80d88af9-cd74-45a8-b1bd-fc93534b690	Заказ КМ	04870239620049 (5)	27.11.2020, 15:33	27.11.2020, 15:44	Обработан с ошибкой
	255baa03-a137-4541-bf2c-0f80007faba1	Заказ КМ	04600494523847 (5)	27.11.2020, 15:31	27.11.2020, 15:35	Обработан с ошибкой
	3ac79a79-e633-4908-a52a-d08b2570582b	Заказ КМ	04870239620046 (5)	27.11.2020, 15:29	27.11.2020, 15:35	Обработан с ошибкой
	aa4ac340-e038-428a-b001-1891d0caeea5	Нанесение		27.11.2020, 15:26	27.11.2020, 15:28	Обработан с ошибкой
	13f9afc9-7260-42b7-95c5-8088aaea47d1	Нанесение		27.11.2020, 15:24	27.11.2020, 15:26	Обработан с ошибкой
	287a06f5-a1ea-40f3-b2df-9244011e37d0	Заказ КМ	04870239620040 (20)	27.11.2020, 13:56	27.11.2020, 14:00	Обработан
	0c40a70a-7a23-4a41-8e52-caa8d9257574	Заказ КМ	04870239620041 (2)	27.11.2020, 13:56	27.11.2020, 14:00	Обработан
	590aa184-307d-4843-bfc2-c058909d6018	Агрегация		27.11.2020, 13:41	27.11.2020, 13:48	Обработан

‹ 1 2 3 4 5 6 ›   Всего: 57

Processed documents

Figure 94

This tab displays orders and reports that the user can work with (editing and deleting drafts of documents, submitting information)

| Product group	Order ID	Product code	Print date	Number of SN	Printing is available until	Execution time	Status	Actions
	6ce62511-d6c2-412f-bff8-d2df747d2f67	04603988013572	8/5/2022, 3:08 PM	10	8/7/2022, 3:08 PM	8/5/2022, 3:09 PM	Processed	
	7f161202-5fe1-42e9-a482-91c8633c0b75	00191028060272	8/3/2022, 3:57 PM	2		8/3/2022, 3:57 PM	Processed	
	7f161202-5fe1-42e9-a482-91c8633c0b75	00191028060272	8/1/2022, 3:38 PM	3		8/1/2022, 3:38 PM	Processed	
	7f161202-5fe1-42e9-a482-91c8633c0b75	00191028060272	8/1/2022, 3:37 PM	1		8/1/2022, 3:37 PM	Processed	
	4e45ff7a-a831-4dbc-ba1e-c6aa152988ca	00191028060272	7/21/2022, 4:56 PM	1		7/21/2022, 4:56 PM	Processed	
	24ee5e3d-0b33-494b-8ca7-e0bc9b401504	00191028060272	7/14/2022, 4:52 PM	3000		7/14/2022, 4:52 PM	Processed	
	24ee5e3d-0b33-494b-8ca7-e0bc9b401504	00191028060272	7/14/2022, 4:41 PM	2000		7/14/2022, 4:41 PM	Processed	
	24ee5e3d-0b33-494b-8ca7-e0bc9b401504	00191028060272	7/14/2022, 12:12 PM	20000		7/14/2022, 12:12 PM	Processed	
	4e45ff7a-a831-4dbc-ba1e-c6aa152988ca	00191028060272	7/12/2022, 12:05 PM	10		7/12/2022, 12:05 PM	Processed	
	e07a7488-3044-4dd0-9aee-de1767318999	04620081670877	8/23/2021, 11:56 AM	1		7/7/2022, 5:24 PM	Processed	

‹ 1 2 3 4 ›   Total: 33

Print/Export

Figure 95

In the "Documents" menu on the "Drafts of documents" tab, it is possible to create an order for the issue of codes, reports on Aggregation, Rejection and Application. To do this, click on the "Create" button and select the desired report (Figure 96).
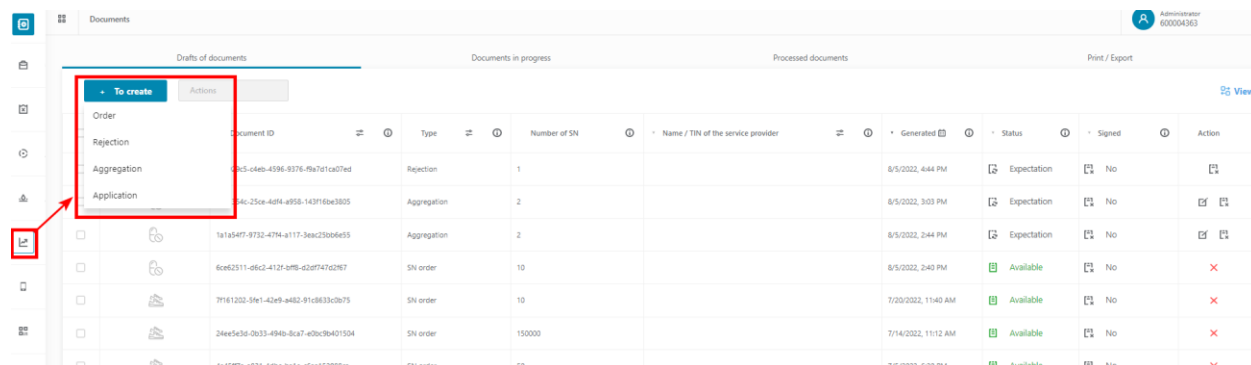
Creating reports

Figure 96

In the "Print/Export" tab, if necessary, you can re-print the Marking Codes in PDF, CSV, EPS formats (Figure 97).
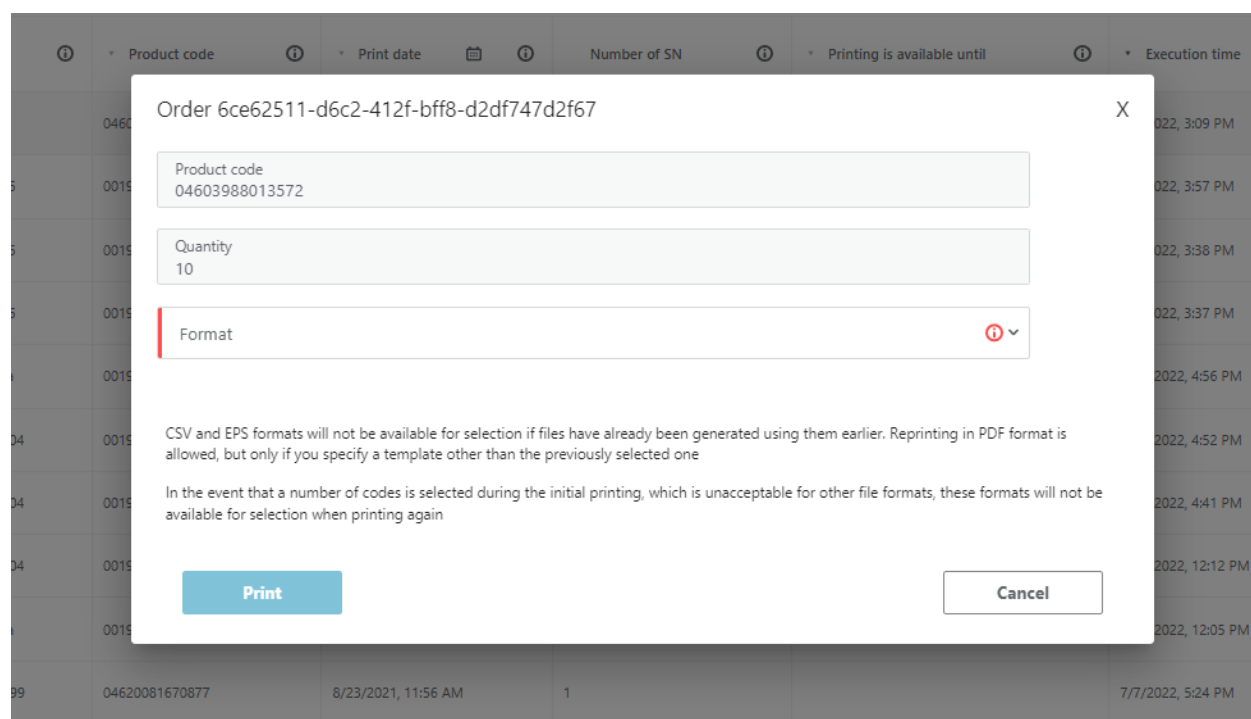

Re-printing mc

Figure 97

Attention! After the marking codes are exhausted, the order is closed automatically after 3 days. Re-printing of the marking codes will not be available.

Attention! Information about processed reports is stored in the OMS for 30 days! After the expiration of 30 days, all information about processed reports is deleted.

2.6.3.10. Manuals

To view the system operation documentation, select the "Manuals" item in the main menu, after which a table with a list of documents will appear in the data display area (Figure 98).
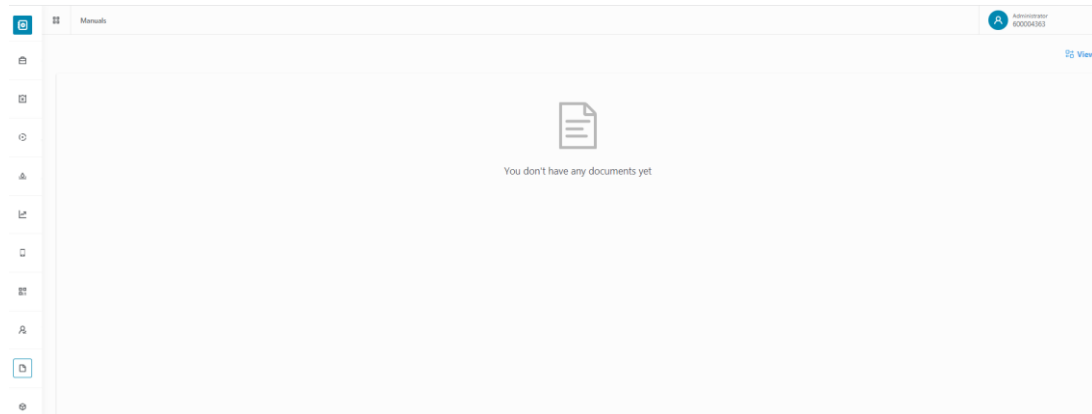

Viewing documentation

Figure 98

At the moment, the section is in the process of filling with documentation, so the message "You don't have any documents yet" may come out.

2.6.3.11. Products

The OMS implements the functionality of checking the validity of GTIN, as well as its presence in the MTG IS and belonging to the owner.
To check the product, go to the "Products" menu item, click the "Send request" button. After that, in the window that opens, you need to enter the GTIN of the product to be checked.
After processing the request, you will receive a message about the validity and status of this product.
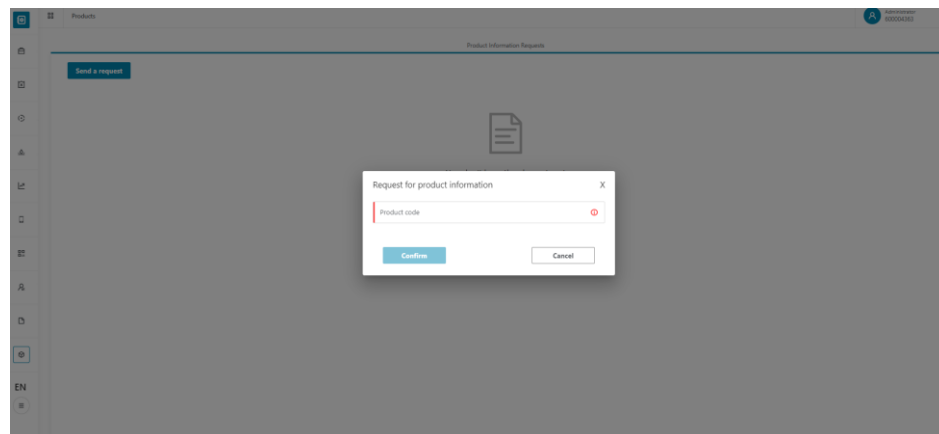
Menu item "Products"

Figure 99

2.7. Completion of the program

To finish working with the program, select the "Administrator/Operator" item in the right part of the information panel, after which a menu will appear in which you need to select "Log out of account" (Figure 100).
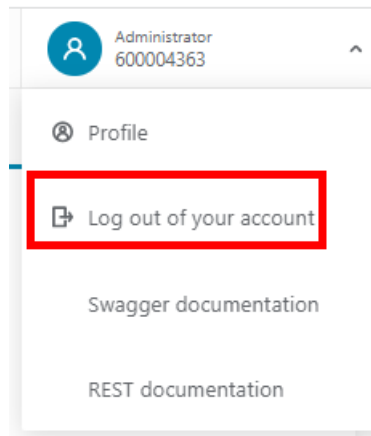
Information Panel menu
Figure 100

After selecting the "Log out of account" option, the session with the program ends, after which you can close the Web browser in any of the acceptable ways. Additional actions for unloading the program from the RAM of the OMS Administrator/OMS operator of the CPS is not required.

LIST OF TERMS

The following terms are used in this document:

1) Computer hardware (CH) — a PC (personal electronic computer) or other computing equipment (mainframe, minicomputer, microcomputer, PDA (pocket personal computer), computer terminal).

CH for individual use — computing equipment that provides:

– automation of the computing component of the daily activities of the Customer's employees;

– access to information services that automate the business processes of the Customer's enterprise.

CH for collective use — computing equipment designed for:

– organization of a computing platform that provides automation of the Customer's business processes;

– control and configuration of the CH included in the automated system;

– accumulation and processing of data used in the automation of the Customer's business processes.

General software — a set of software components that provides a minimum of the CH functionality:

– the environment for launching and running other software tools (operating system);

– tools for working with structured data sets (DBMS);

– tools for accessing Internet resources (Web browser);

– means for publishing CH resources on the Internet (Web server).

Special software is a set of software components specially developed for this particular CH (not "boxed software").

Terminal equipment — devices and devices controlled by an automated system directly (via infocommunication channels) or indirectly (through functional interaction with adjacent systems) and designed to perform technological functions (printer, scanner, recorder, controller, etc.).

LIST OF ABBREVIATIONS

AWP	Automated workplace
AS	Automated system
MTG IS	Marking and traceability of goods information system
MC	Marking code
CTM	Complex of technical means
OS	Operating system
GS	General software
Software	Software
PC	Personal electronic computer
CH	Computer hardware
MI	Means of identification
SS	Special software
SDMS	Synchronization and Document Management Server
GTIN	eng. Global Trade Item Number is an international code for marking and accounting of logistics units for goods, designed for unique identification of a product in trade.
XML	Extensible markup language
API	eng. application programming interface, the application programming interface