

PETROL PLUS SYSTEM OPERATION CENTRE REPORTS

***User's Guide
(supplement on the "Reports on collection (CSM)"
module)
Version 6.0.3.0***

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1 INTRODUCTION

The "Reports on collection (CSM)" software module (the *Module*) is designed to generate reports based on information gathered by the CS Monitor software module in the course of data collection sessions between the Communications Server and terminals.

This Guide describes the structure and the operation principles of the *Module*.

Operations with the CS Monitor software module are described in the document "*Petrol Plus. UG. CS Monitor*". Operations with the OC Reports software module are described in the document "*Petrol Plus. UG. OC Reports*".

The *Module* interface structure and general operation principles are described in the document "*Petrol Plus. UG. Basic principles of interface operations*".

ATTENTION!

Before reading this guide, please read carefully the following documents: "*Petrol Plus. UG. CS Monitor*" and "*Petrol Plus. UG. OC Reports*".

1.1 Abbreviations

BL	– black list
CS	– Communications Server
CSM	– Communications Server Monitor
FBL	– black list of firms
OC	– operation centre
POS	– point of sale
RC	– remote change
WL	– white list

1.2 Operations with the *Module*

Basic operations with the *Module* (searching, sorting, filtering records, and generating a report according to data in the active window), as well as with form view elements, buttons and the context menu are described in the document "*Petrol Plus. UG. Basic principles of interface operations*".

2 GETTING STARTED

2.1 Starting the *Module*

Note.

Before installing and using the *Module*, make sure that the OC Reports software module is already installed. The operations of starting, configuring the general settings, as well as other operations with the *Module*, are performed in the same way as in the OC Reports software module. No separate commands in the "**Start**" menu or shortcuts are created while installing the *Module*.

To start the *Module*, click  ("Reports on collection (CSM)") in the main menu of OC Reports. The window for generating reports will be displayed (see example in Fig. 1).

3 REPORTS

The *Module* allows generating the following reports:

- "Collection on terminals" (see subsection 3.5, p. 13);
- "Collection of terminals for week" (see subsection 3.6, p. 16);
- "History of terminal replacement" (see subsection 3.7, p. 18);
- "Inventory of terminals" (see subsection 3.8, p. 19).

Reports are generated in the **"Reports on collection (CSM)"** window (see Fig. 1).

There are three methods for selecting terminals for reports:

- selecting the terminals directly in the **"Terminals / Terminals"** tab (see subsection 3.1, p. 10);
- selecting the POSs in the **"Terminals / POS"** tab (see subsection 3.2, p. 12);
- selecting the POS groups in the **"Terminals / POS groups"** tab (see subsection 3.3, p. 12).

Depending on the selection method; click on one of the tabs in the upper part of the **"Terminals"** tab in the **"Reports on collection (CSM)"** window: **"Terminals"**, **"POS"**, or **"POS groups"**.

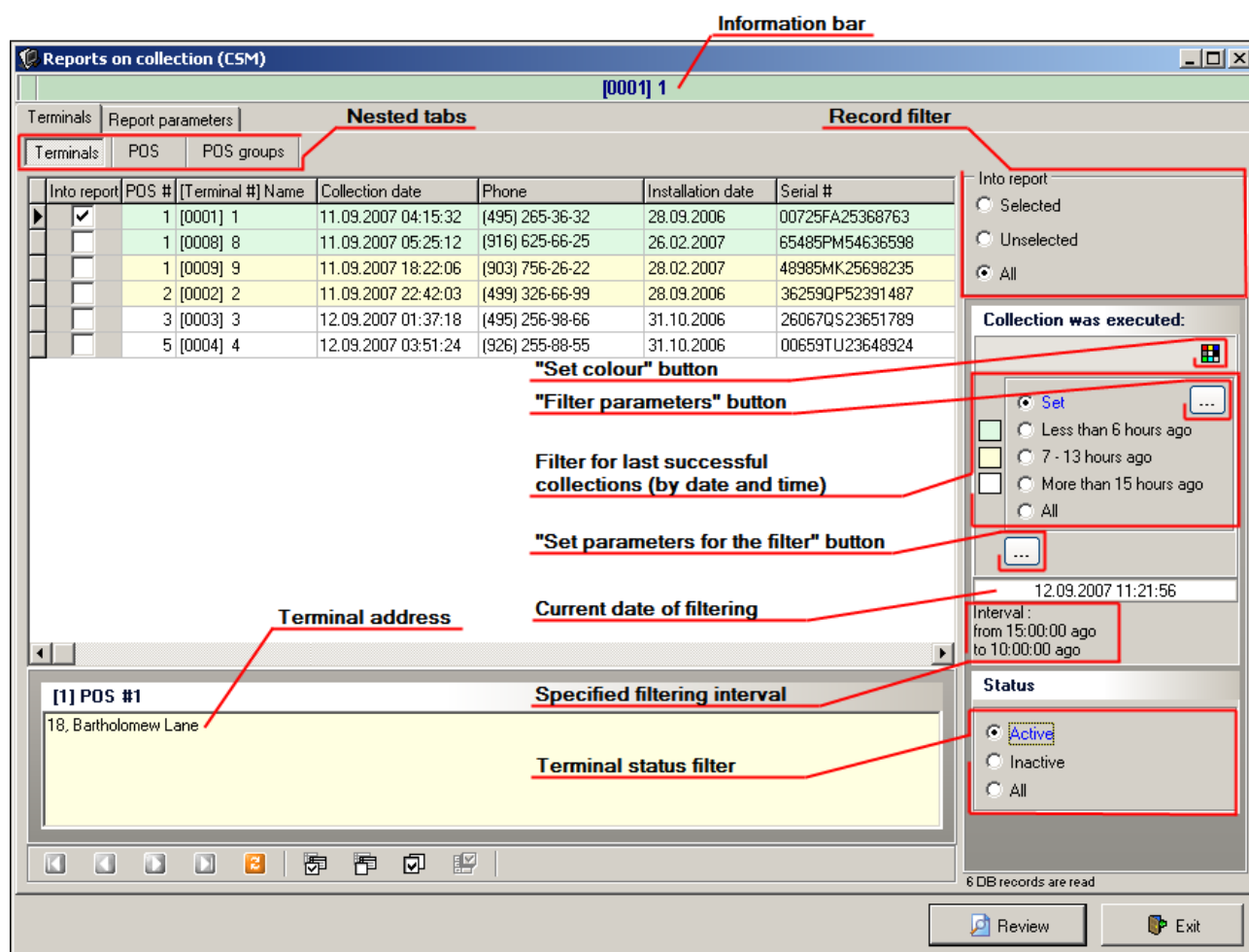


Fig. 1. "Reports on collection (CSM)" window

The filters in the right part of the **"Reports on collection (CSM)"** window allow managing the list of terminals, POSs, or POS groups displayed in the window. The filter parameters are applied to all nested tabs. For example, if you select "Active" in the "Status" filter in the **"Terminals"** tab (so that only active terminals are displayed), only active terminals will be displayed in the **"POS"** and **"POS groups"** tabs as well (in the lists of terminals belonging to the selected POS/POS group).

The "Into report" filter allows selecting a group of records for reports:

- "Selected" – displaying only the records with the check box in the "Into report" column marked. If the check box is unmarked, the record will not be displayed as not meeting the filter criterion;
- "Unselected" – displaying only the records with the "Into report" check box unmarked. If the check box is unmarked, the record will not be displayed as not meeting the filter criterion;
- "All" – displaying all records (irrespective of whether the check boxes are marked or unmarked).

The filter for selecting the last successful collections by date and time displays either all records of the last successful collections ("All") or only the records that meet the specified filtering criteria (i.e., for which the time of the last successful collection falls within the specified interval). The values of intervals of the "Collection was executed:" filter are specified in the **"Filter parameters"** window (see Fig. 2).

For each of the three specified intervals, you can additionally configure the colour for displaying collection records in the **"Terminals"** tab (see Fig. 1). The boxes to the left of the filter radio buttons indicate the colours currently selected for the corresponding intervals. When one of the filter radio buttons is selected, an information field with the colour corresponding to the selected interval is displayed under the filter. This field displays the date and time when the filter was specified.

The three time intervals for the filter are specified in the **"Filter parameters"** window (see Fig. 2), which can be opened by clicking on the  ("Set parameters for the filter") button. The specified intervals will be saved and used as radio buttons in the filter for selecting last successful collections by date and time when the *Module* is started the next time.

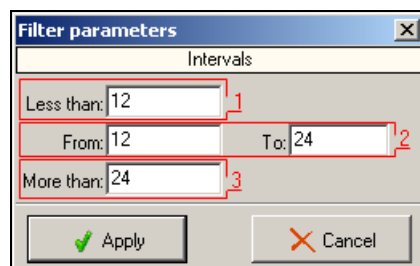


Fig. 2. Setting parameters for the last successful collections filter

When specifying the collection intervals, the following should be taken into account: the end of the first interval ("Less than:") should not be later than the start of the second interval ("From:"); the start of the second interval ("From:") should not be later than the end of the second interval ("To:"); the end of the second interval ("To:") should not be later than the start of the third interval ("More than:") (see Fig. 3).

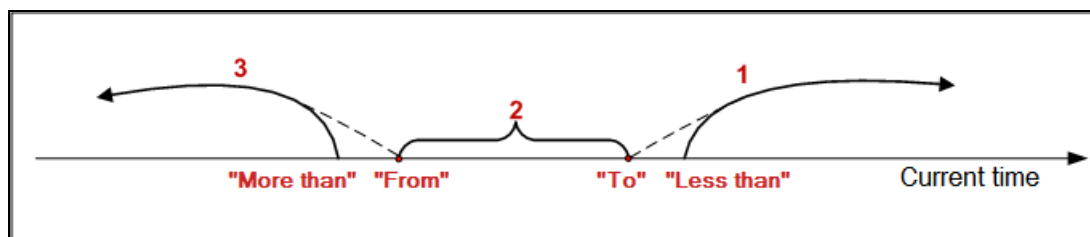


Fig. 3. Defining collection session intervals

After specifying the intervals in the fields of the **"Filter parameters"** window (see Fig. 2), click **Apply**. If the interval values are invalid, the corresponding message will appear. To cancel the changes, click **Cancel**.

To assign the colours for displaying records for each of the collection intervals specified in the **"Filter parameters"** window, do the following:

1. Click  ("Set colour"). The **"Colour settings"** window will be displayed (see Fig. 4).

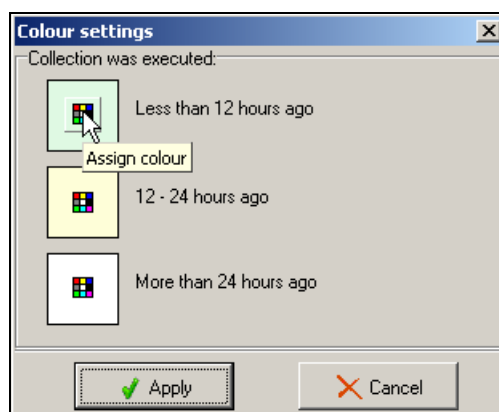


Fig. 4. Colour settings

- Click  ("Assign colour") to the left of the required interval record (see Fig. 4).
- The colour palette window will be displayed (see Fig. 5). Select a colour and click **OK**.
- After the colours for all intervals are set, click **Apply**. The colours of collection records in the **"Reports on collection (CSM)"** window and in the filter for last successful collections will change (see Fig. 1, p. 7). To cancel the changes, click **Cancel** (however, the changes can only be cancelled before you click **Apply**).

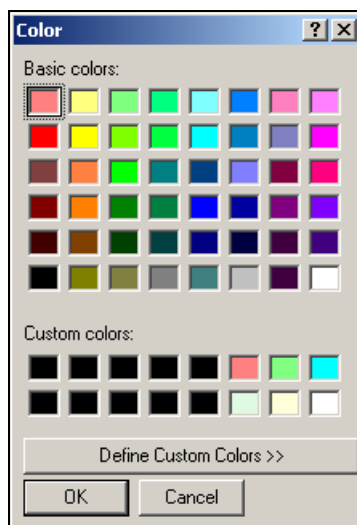


Fig. 5. Colour palette

If you need the **"Reports on collection (CSM)"** window (see Fig. 1, p. 7) to display only the records of the terminals for which the last collection sessions fall within the specified time/date period, do the following:

- Select the "Set" radio button in the filter and click on the  ("Filter parameters") button that will appear to the right of the radio button. The **"Filter parameters"** window will be displayed (see Fig. 6).

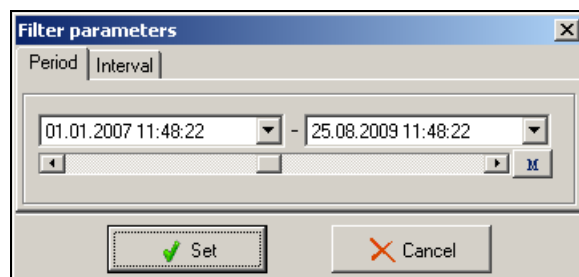


Fig. 6. Setting the filter by collection date

- If you need to specify a filtering period, specify the boundaries of the period in the **"Period"** tab (see Fig. 6).
The period can be specified using one of the following methods:
 - manually;
 - using the calendar control (click  to the right of a date field);
 - using the scroll bar located under the date fields.

For details, see the document *"Petrol Plus. UG. Basic principles of interface operations"*.

If you need to specify a time interval for filtering, go to the **"Interval"** tab of the **"Filter parameters"** window (see Fig. 8) and specify the boundaries of the interval in the fields for the start and the end of the interval (for the sake of simplicity, these fields will be called "From:" and "To:", respectively). The boundaries can be specified either manually or using the spinner controls (). The value in the "From:" field should exceed the value in the "To:" field. An interval should be within 24 hours from the current time.

A diagram describing how an interval is defined is shown in Fig. 7:

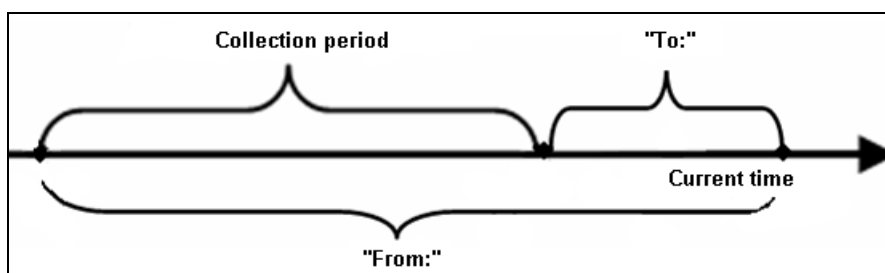


Fig. 7. Defining an interval

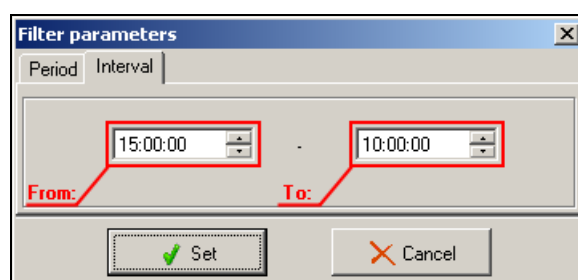


Fig. 8. Setting the filter by collection time

3. Click **Set**. Depending on the tab selected in the "Filter parameters" window ("Period" or "Interval"), records will be filtered according to the period or the interval, respectively. To cancel setting the filter, click **Cancel**. After the filter is specified, the selected period or interval will be displayed in the "Reports on collection (CSM)" window below the current filtering date (see Fig. 1, p. 7).

The "Status" group of radio buttons allows filtering records according to the terminal status ("Active"/"Inactive"/"All"). The group contains the following radio buttons:

- "Active" – if this radio button is selected, only active terminals will be displayed;
- "Inactive" – if this radio button is selected, only inactive terminals will be displayed;
- "All" – if this radio button is selected, all terminals will be displayed.

Note.

Terminals with no status assigned in the OC are considered to be "Active" in the *Module*.

3.1 Selecting Terminals

The "Terminals / Terminals" tab allows selecting terminals for reports to be generated. The terminals are selected by marking the check boxes in the "Into report" column (see Fig. 1, p. 7).

Records in the nested "Terminals" tab are arranged in a table containing the following data:

- POS number;
- terminal number and name;
- actual date and time of the last successful collection session;

ATTENTION!

The date and time of the last successful collection session in the OC collection history (see the document "Petrol Plus. UG. OC") may differ from the actual ones.

- phone number for modem collection;
- terminal installation date;
- terminal serial number.

The address of the POS to which the selected terminal belongs is displayed below the table.

To select terminals belonging to particular POSs, click  ("Select by POS") and select the required records by marking the corresponding check boxes in the "Select" column (see Fig. 9). When you click **Apply**, the terminals of the selected POSs will have their check boxes marked in the "Into report" column in the **"Terminals"** tab (see Fig. 1, p. 7). New marks will be added to existing ones.

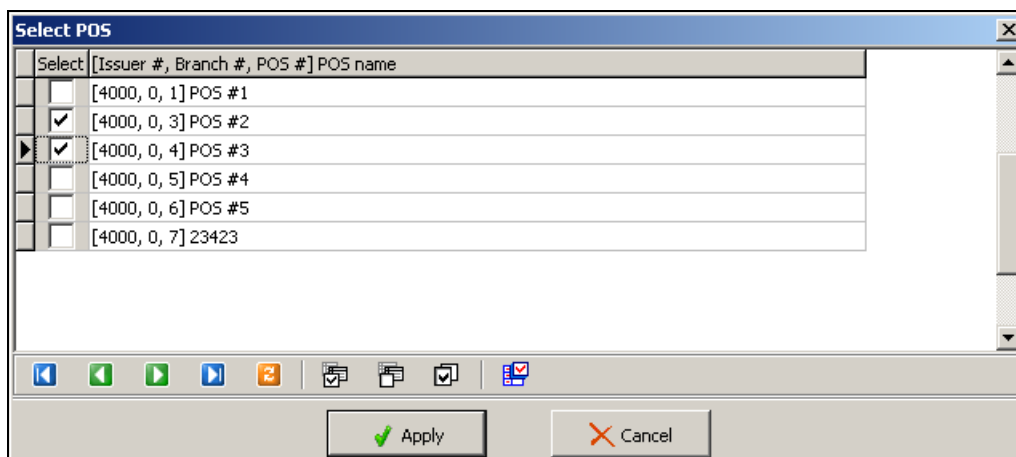


Fig. 9. "Select POS" window

To cancel POS selection, click **Cancel**.

POSs belonging to particular POS groups can be selected in the same way. To do this, click  ("Select by POS group") in the **"Select POS"** window (see Fig. 9) and select the required records by marking the corresponding check boxes in the "Select" column (see Fig. 10).

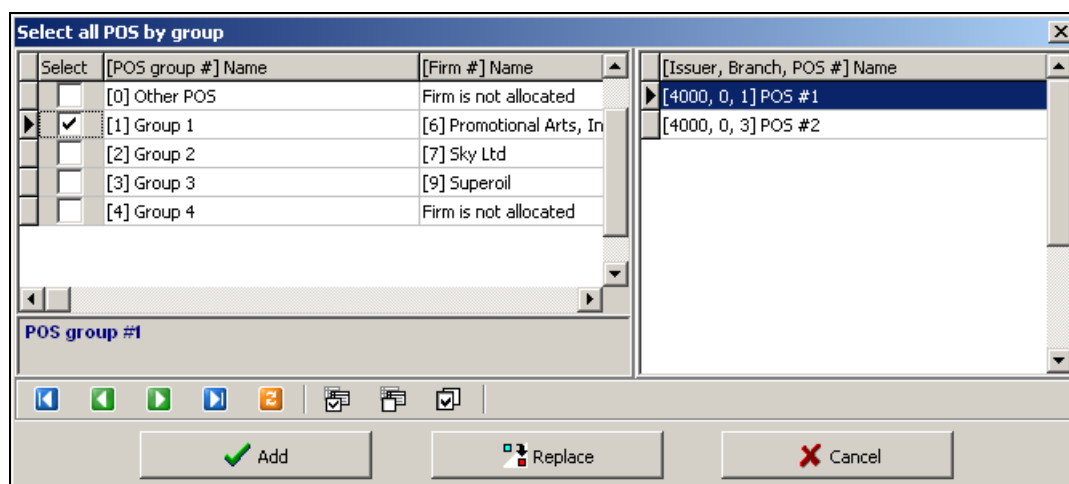


Fig. 10. "Select all POS by group" window

If you click **Add**, the POSs belonging to the selected groups will be added to the selected POSs in the **"Select POS"** window (see Fig. 9). If you click **Replace**, the existing POS selection in the **"Select POS"** window will be replaced with the new one. To cancel selection, click **Cancel**.

3.2 Selecting POSs

The "**Terminals / POS**" tab allows selecting POSs in order to generate reports on the terminals of these POSs. The POSs are selected by marking the check boxes in the "Into report" column (see Fig. 11).

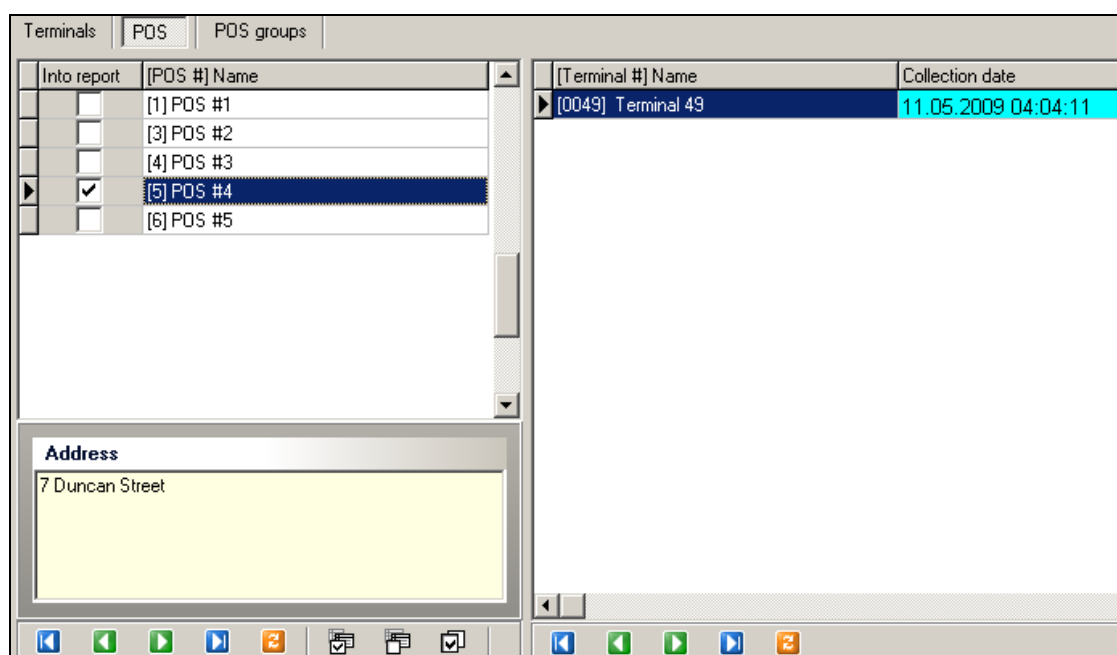


Fig. 11. Selecting POSs

Records in the "**POS**" tab are arranged in a table containing the POS numbers and names. When a POS is selected, the list of its terminals is displayed in the right part of the window (the list of terminals is similar to the list in the "**Terminals / Terminals**" tab (see subsection 3.1, p. 10)).

The address of the selected POS is displayed in the "Address" field below the list of POSs.

3.3 Selecting POS Groups

To include several POSs into a report, you can group the POSs in advance (if you have the required access rights – see the document "*Petrol Plus. UG. Basic principles of interface operations*"). Then, to select the POSs for a report, you can mark the "Into report" check boxes corresponding to the required POS groups, and the report will be generated for all terminals of all POSs belonging to the selected POS groups.

Note.

Operations of configuring POS groups and allocating firms to POS groups are performed in the "**POS reports**" service of the OC Reports software module.

The **"Terminals / POS groups"** tab allows selecting POS groups in order to generate reports on the terminals of these POS groups. The POS groups are selected by marking the check boxes in the "Into report" column (see Fig. 12)

Into report	[POS group #] Name	POS #	[Terminal #] Name	Collection date	Phon
☒	[1] Group 1	1	[0001] Terminal #1	11.09.2007 05:25:12	+336
☐	[2] Group 2	3	[0002] Terminal #2	11.09.2007 18:22:06	
☐	[3] Group 3	3	[0003] Terminal #3	11.09.2007 22:42:03	
		1	[0045] Terminal #45	12.09.2007 01:37:18	(495)
		1	[0046] Terminal #46	12.09.2007 03:51:24	

Description

Firm name
Promotional Arts, Inc.

POS description
POS group #1

[1] POS #1

18, Bartholomew Lane

Fig. 12. Selecting POS groups

Records in the **"POS groups"** tab are arranged in a table containing the numbers and names of POS groups. When a POS group is selected, the list of terminals belonging to the POSs of this group is displayed in the right part of the window (the list of terminals is similar to the list in the **"Terminals / Terminals"** tab (see subsection 3.1, p. 10)). When a terminal is selected, the number, the name, and the address of the POS to which this terminal belongs are displayed below the list.

The "Description" section below the list of POS groups displays the name of the firm allocated to the selected POS group, as well as a brief description of the group.

3.4 Report Parameters

Report parameters are configured in the **"Report parameters"** tab. The description of parameters that are common for all reports is given in the document *"Petrol Plus. UG. Basic principles of interface operations"*. For individual report parameters, see the subsections below.

3.5 "Collection on terminals" Report

The "Collection on terminals" report allows obtaining information about collection sessions performed with the selected terminals within the specified period.

Collection on terminals

☐ Collection details

Collection sessions:

☒ All

☐ Successful

☐ Failed

☒ Cause of unsuccessful collection

☒ Collection duration

☒ Group by POS

Fig. 13. Parameters for generating the "Collection on terminals" report

The report is generated using the following parameters (see Fig. 13):

- the "Collection details" check box – if the check box is marked, the report will include extended information about collection sessions (see ниже, p. 15);
- the "Collection sessions" group contains the following radio buttons:
 - "All" – if this radio button is selected, the report will include information about all collection sessions, irrespective of their status;
 - "Successful" – if this radio button is selected, the report will include information only about successfully completed sessions;
 - "Failed" – if this radio button is selected, the report will include information only about unsuccessful sessions;
- the "Cause of unsuccessful collection" check box – if the check box is marked, the report will include information about causes of failed collection sessions. The check box is unavailable if the "Successful" radio button is selected in the "Collection" group;
- the "Collection duration" check box – if the check box is marked, the report will include information about the durations of collection sessions;
- the "Group by POS" check box – if the check box is marked, data in the report will be grouped by POSs. If the check box is unmarked, data will be grouped only by terminals.

An example of the "Collection on terminals" report generated with the "Collection details" check box unmarked is shown in Fig. 14.

"[4000]"Red Line"Ltd" issuer

Collection on terminals (Terminals)

For the period from c 01.01.2007 0:00:00 to 27.08.2009 23:59:59

Collection session			Record date	Result	Cause of unsuccessful collection	Serial number	Reception file	Transactions	RC	Lost RC
Start	End	Duration								
[4000, 0, 1] POS#1 18, Bartholomew Lane										
[0001] Terminal #1										
Tel.: + 44 495 285 36										
05.06.2008 15:57:28	05.06.2008 15:58:01	00:00:33	05.06.2008 15:58:24	+		10459550	40000001.in	0	9	0
05.06.2008 16:02:13	05.06.2008 16:02:47	00:00:34	05.06.2008 16:03:19	+		10459550	40000001.in	0	9	0
05.06.2008 16:17:16	05.06.2008 16:17:51	00:00:35	05.06.2008 16:18:30	+		10459550	40000001.in	1	9	0
06.06.2008 12:52:09	06.06.2008 12:52:11	00:00:02	06.06.2008 12:52:31	-	Discrepancy of the received and the estimated certificate	Transfer of serial number is not supported		0	0	0
06.06.2008 12:53:27	06.06.2008 12:53:29	00:00:02	06.06.2008 12:53:47	-	Discrepancy of the received and the estimated certificate	Transfer of serial number is not supported		0	0	0
06.06.2008 15:46:36	06.06.2008 15:46:38	00:00:02	06.06.2008 15:46:31	-	Unrecognized data string transmitted by CS and for the terminal	Transfer of serial number is not supported		0	0	0
06.06.2008 15:52:21	06.06.2008 15:52:54	00:00:33	06.06.2008 15:52:58	+		10459550	40000001.in	9	0	0
06.06.2008 15:59:45	06.06.2008 16:00:19	00:00:34	06.06.2008 16:00:24	+		10459550	40000001.in	28	0	0
06.06.2008 16:29:13	06.06.2008 16:29:45	00:00:32	06.06.2008 16:30:00	+		10459550	40000001.in	2	0	0

Prepared by: Smith B.

Date/Time: 27.08.2009 10:11:27

Fig. 14. Example of the "Collection on terminals" report

The report includes the following information about collection sessions for each terminal:

- "Collection session":
 - "Start" – the date and time when the collection session began;
 - "End" – the date and time when the collection session ended;
 - "Duration" – the duration of the collection session (in the "HH:MM:SS" format). The duration is included in the report if the "Collection duration" check box was marked;
- "Record date" – the date when the record about the collection session was added to the database;
- "Result" – the completion status of the collection session ("+" if successful, "-" if unsuccessful);
- "Cause of unsuccessful collection" – the description of the cause of the unsuccessful collection received from the CSM error base (see the document "Petrol Plus. UG. CS Monitor"). The cause is included in the report if the "Cause of unsuccessful collection" check box was marked;
- "Serial number" – the terminal's serial number received by CSM;
- "Reception file" – the transaction reception file;
- "Transactions" – the number of transactions received during collection;
- "RC" – the number of remote changes loaded into the terminal;

- "Lost RC" – the number of RCs lost during collection (if there are any lost RCs, the record will be displayed on a red background in the report).

If the "Collection details" check box is marked, the report will additionally include the following information:

- "BL, WL" (old format)¹:
 - "Cards in BL" – the number of cards in the BL;
 - "Issuers in WL" – the number of issuers in the WL;
 - "Total records" – the total number of BL and WL records;
- "BL" (new format)²:
 - "Issuers" – the number of issuers having cards in the BL;
 - "Cards" – the number of cards in the BL;
 - "Previous BL check status". The list of possible BL check statuses:
 - "Completed successfully" – the previous BL has been successfully checked;
 - "BL differ" – data were modified at the terminal;
 - "Error while checking" – data under check are corrupted;
 - "No data to check" – data on the last collection session are not available on the terminal or the CS;
 - "Check interrupted" – the terminal number has been changed;
 - "Unable to check" – an outdated version of the terminal software is used, which does not support the BL check function.

ATTENTION!

If the previous BL check status is not "Completed successfully", contact the Technical Support Department.

- "FBL" (new format):
 - "Issuers" – the number of issuers having clients in the FBL;
 - "Firms and branches" – the number of firms and their branches in the BL;
 - "Total records" – the total number of FBL records;
 - "Size of binary data" – the size of a data packet transferred during collection;
- "COM port" – the COM port name.

An example of the part of the "Collection on terminals" report displaying the collection details is shown in Fig. 15.

BL, WL			BL			FBL				COM port
Cards in BL	Issuers in BL	Total records	Issuers	Cards	Previous BL check status	Issuers	Firms and branches	Total records	Size of binary data	
old format			new format							
0	0	0	1	306	No data to check	0	0	306	49	COM1
0	0	0	1	306	No data to check	0	0	306	49	COM1
0	0	0	1	306	No data to check	0	0	306	49	COM1
0	0	0	1	1	No data to check	0	0	1	25	COM1
0	0	0	1	1	Completed successfully	0	0	1	25	COM1
0	0	0	1	1	Completed successfully	0	0	1	25	COM1
0	0	0	1	1	Completed successfully	0	0	1	25	COM1
0	0	0	1	1	Completed successfully	0	0	1	25	COM1
0	0	0	2	2	Completed successfully	0	0	2	40	COM1

Fig. 15. Example of the "Collection on terminals" report (the part of the report displaying the collection details)

¹ Messages in the old format for CS version 1.0.9.3 (see the document "Petrol Plus. UG. CS Monitor").

² Messages in the new format for CS versions starting from 1.1.1.0 (see the document "Petrol Plus. UG. CS Monitor").

3.6 "Collection of terminals for week" Report

The "Collection of terminals for week" report allows obtaining information about terminal collection sessions performed within seven days starting from the specified date.

Collection of terminals for week

Report period opening date:

November 2012						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Today: 09.11.2012

☐ Group by POS

Display POS

☐ POS in headline
 ☐ POS name
 ☒ POS #

Fig. 16. Parameters for generating the "Collection of terminals for week" report

The report is generated using the following parameters (see Fig. 16):

- the "Report period opening date:" section – this section allows selecting the opening date for the reporting period. For operations with the calendar control, see the document *"Petrol Plus. UG. Basic principles of interface operations"*;
- the "Group by POS" check box – if the check box is marked, data in the report will be grouped by POSs. If the check box is unmarked, data will be grouped only by terminals;
- the "Display POS" group – the radio buttons in this group allow selecting the method for displaying information about POSs in the report (this group is available only if the "Group by POS" check box is unmarked). The group contains the following radio buttons:
 - "POS in headline" (see example in Fig. 17) – if this radio button is selected, the POS number will be displayed in the "POS #" column; the POS number and name will be displayed as row headers;
 - "POS name" (see example in Fig. 18) – if this radio button is selected, the POS number and name will be displayed in the "POS" column;
 - "POS #" (see example in Fig. 19) – if this radio button is selected, only the POS number will be displayed in the "POS #" column.

Examples of the "Collection of terminals for week" report are shown below, in Fig. 17, Fig. 18, and Fig. 19.

"[4000]"Red line" Ltd" issuer

Collection of terminals for week (Terminals)
For the period from 02.06.2008 to 08.06.2008

POS	Terminal	Phone	Monday (02.06)	Tuesday (03.06)	Wednesday (04.06)	Thursday (05.06)	Friday (06.06)	Saturday (07.06)	Sunday (08.06)
[1] POS #1	[0001] Terminal #1	(495) 236-25-65	XXX	XXX		XXX	X		
[1] POS #1	[0007] Terminal #7		XXX	XXX		XXX			
[1] POS #1	[0045] Terminal #45		XXX	XXX	XXX	XXX			
[1] POS #1	[0046] Terminal #47		XXX						XXX
[3] POS #2	[0002] Terminal #2		XXX		XXX				
[3] POS #2	[0003] Terminal #3		XXX					XXX	XXX
[4] POS #3	[0004] Terminal 45		XXX		XXX	X			
[5] POS #4	[0049] Terminal 49		XXX	X			XXX		XXX

Conditional designations of collection:

1) Not executed	
2) Successful	XXX
3) Failed	
4) Failed - repeated Successful	XXX
5) Successful - repeated Failed	X

For change of conditional designations set a format of the appropriate cells

Fig. 17. Example of the "Collection of terminals for week" report – "POS in headline"

"[4000]"Red Line" Ltd" issuer

Collection of terminals for week (Terminals)
For the period from 02.06.2008 to 08.06.2008

POS	Terminal	Phone	Monday (02.06)	Tuesday (03.06)	Wednesday (04.06)	Thursday (05.06)	Friday (06.06)	Saturday (07.06)	Sunday (08.06)
[1] POS #1	[0001] Terminal #1	Tel.: ++ 44 495 265 36 32		XXX		XXX	X		
[1] POS #1	[0002] Terminal #2	Tel.: ++ 44 499 652 31 38	XXX	XXX	XXX	XXX		XXX	
[3] POS #2	[0003] Terminal #3	Tel.: ++ 44 499 326-66-99	XXX	XXX				XXX	XXX
[4] POS #3	[0004] Terminal #4	Tel.: ++ 44 495 256-98-66	XXX		XXX	XXX	XXX		XXX
[5] POS #4	[0005] Terminal #5	Tel.: ++ 44 926 255-88-55	XXX		XXX	X	XXX		XXX

Conditional designations of collection:

1) Not executed	
2) Successful	XXX
3) Failed	
4) Failed - repeated Successful	XXX
5) Successful - repeated Failed	X

For change of conditional designations set a format of the appropriate cells

Fig. 18. Example of the "Collection of terminals for week" report – "POS name"

"[4000]"Red Line"Ltd" issuer

Collection of terminals for week (Terminals)*For the period from 02.06.2008 to 08.06.2008*

POS #	Terminal	Phone	Monday (02.06)	Tuesday (03.06)	Wednesday (04.06)	Thursday (05.06)	Friday (06.06)	Saturday (07.06)	Sunday (08.06)
1	[0001] Terminal #1	Tel.: ++ 44 495 265 36 32		XXX		XXX	X		
1	[0002] Terminal #2	Tel.: ++ 44 499 652 31 38	XXX	XXX	XXX	XXX		XXX	
2	[0003] Terminal #3	Tel.: ++ 44 499 326-66-99	XXX	XXX				XXX	XXX
2	[0004] Terminal #4	Tel.: ++ 44 495 256-98-66	XXX		XXX	XXX	XXX		XXX
3	[0005] Terminal #5	Tel.: ++ 44 926 255-88-55	XXX		XXX	X	XXX		XXX

Conditional designations of collection:

- 1) Not executed
- 2) Successful
- 3) Failed
- 4) Failed - repeated Successful
- 5) Successful - repeated Failed

XXX
XXX
X

*For change of conditional designations set a format of the appropriate cells***Fig. 19. Example of the "Collection of terminals for week" report – "POS #"**

The reports include the following information:

- POS number and / or name;
- terminal number and name;
- phone number for modem collection;
- information about terminal collection sessions for each day of week:
 - "Not executed" – no collection was performed for the terminal on this day of week; the corresponding report cell will be empty;
 - "Successful" – collection was performed successfully for the terminal on this day of week; the corresponding report cell will contain the "XXX" value;
 - "Failed" – collection was performed unsuccessfully for the terminal on this day of week; the corresponding report cell will be grey;
 - "Failed – repeated Successful" – collection was performed unsuccessfully for the terminal on this day of week, after which another collection was performed successfully on the same day; the corresponding report cell will be grey and will contain the "XXX" value;
 - "Successful – repeated Failed" – collection was performed successfully for the terminal on this day of week, after which another collection was performed unsuccessfully on the same day; the corresponding report cell will be grey and will contain the "X" value.

3.7 "History of terminal replacement" Report

The "History of terminal replacement" report allows obtaining information about replacement of terminal equipment at the terminal installation sites for the specified period. The report includes information about terminals with new serial numbers received during their first collection sessions. The date of the first collection session is considered to be the terminal replacement date. Terminals are grouped by POSs to which they are allocated in the OC. The status ("Active" or "Inactive") is displayed for each terminal. For terminals for which serial numbers could not be obtained during collection, the "s.n." value is displayed.

The report does not require any additional parameters.

An example of the "History of terminal replacement" report is shown in Fig. 20.

History of terminal replacement (Terminals)				
For the period from 01.01.2008 0:00:00 to 31.05.2009 23:59:59				
POS	Terminal	Serial number	Date of the first collection	Status
[4000,0,1] POS #1				
	[1] 1 TERMINAL 4000 F1 #1			Active
		SN term#1_1035163738*	05.06.2008 15:59:35	
		second # of the st terminal	05.06.2008 16:35:27	
	Last terminal	1035163730	06.06.2008 11:40:24	
[4000,0,3] POS #3				
	[2] 2 TERMINAL 4000 F1 #2	s.n.		Active
	Last terminal	1035163739	06.06.2008 12:06:24	
Prepared by: Smith B. Date/Time: 27.08.2009 11:30:24				

Fig. 20. Example of the "History of terminal replacement" report

3.8 "Inventory of terminals" Report

The "Inventory of terminals" report allows obtaining information about the current (i.e., based on the data from the last collection) status of POS terminals. The report is arranged as a table, similar to the "History of terminal replacement" report. Terminals are grouped by POSs to which they are allocated in the OC. The status ("Active" or "Inactive") is displayed for each terminal. For terminals with software that does not support transmission of serial numbers in the course of collection, the "s.n." value is displayed.

Fig. 21. Parameters for generating the "Terminal inventory" report

The report is generated using the following parameters (see Fig. 21):

- the "Display" group – allows selecting additional terminal information to be displayed in the report:
 - the "Terminal type" check box – if the check box is marked, the "Terminal type" column with the terminal type will be added to the report. If there is no information about the terminal type, this column will be empty;
 - the "Application type" check box – if the check box is marked, the "Application type" column with the terminal software name will be added to the report. If there is no information about the terminal software, this column will contain the "Unknown type" value;
 - the "Version" check box – if the check box is marked, the "Version" column with the terminal software version number will be added to the report. If there is no information about the terminal software version, this column will contain "0".

An example of the report generated with all check boxes marked is shown in Fig. 22.

Inventory of terminals (Terminals)							
POS	Terminal	Terminal type	Application type	Version	Serial #	Date of the first collection	Status
[4000,0,1] POS #1							
	[1] Terminal #1	SAGEM	Petrol Plus	6,03	10459550	05.06.2008 15:57:28	Active
	[3] Terminal #3	SAGEM	Petrol Plus	6,03	10459567	05.06.2008 15:59:35	Active
[4000,0,2] POS #2							
	[2] Terminal #2	SAGEM	Petrol Plus	6,00	45236961	11.01.2008 10:55:16	Active
	[4] Terminal #4	SAGEM	Petrol Plus	6,03	45362180	11.01.2008 11:08:01	Active
[4000,0,3] POS #3							
	[5] Terminal #5		Unknown type	0	10235689		Inactive
	[6] Terminal #45	SAGEM	Petrol Plus	6,00	10145682	01.05.2008 20:17:46	Active
	[7] Terminal #49		Unknown type	0	s.n.	01.05.2008 20:15:04	Inactive
<i>Prepared by: Smith B.</i> <i>Date/Time: 27.08.2009 10:21:50</i>							

Fig. 22 Example of the "Inventory of terminals" report