

# Generating Central (National) Bank Statistical Reports in WAY4™

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# Introduction

Statistical reports are used to analyse a financial institution's transaction activity over a specified reporting period.



This document contains rules for generating Central (National) bank reports.

This document is intended for WAY4 users, bank or processing centre employees responsible for generation of the abovementioned reports.

While working with this document, it is recommended that users refer to the following reference material from OpenWay's documentation series:

- DB Manager Manual
- Documents
- Generating Reports in WAY4™
- WAY4™ Statistical Report Data Preparation

The following conventions are used throughout this document:

- Field labels in screen forms are shown in *italics*.
- Button labels used in screen forms are placed in square brackets, such as [Approve].
- Menu selection sequences are shown with arrows, for example Issuing → Contracts Input & Update.
- Sequences for selecting system menu items are shown with a different type of arrow, as in Database => Change password.
- The names of directories and/or files that vary for each local instance of the program are encased in angular brackets, like <OWS\_HOME>.
- Warnings of possible erroneous actions are marked with the  sign.
- Messages marked with the  sign contain information about important features, additional facilities, or the optimal use of certain functions of the system.

## Chapter 1. Statistical Reports in WAY4

Statistical reports are created according to the general principles of report generation in WAY4 (see the document "Generating Reports in WAY4™").

To generate statistical reports:

- Prepare transaction data for the reporting period (see the document "WAY4™Statistical Report Data Preparation").
- Before generating Central (National) bank reports and Visa and MasterCard reports, execute automatic data grouping according to the requirements for the report type (see section "Manual Data Grouping in the "Contract Groups" Dictionary" in the document "WAY4™Statistical Report Data Preparation").
- Generate reports (see section "Generating Central (National) Bank Statistical Reports in WAY4").

## Chapter 2. Generating Central (National) Bank Statistical Reports in WAY4

This section describes rules for generating Central (National) bank statistical reports.

### CB Statistics - Acquiring Business

The CB Statistics - Acquiring Business report contains an acquirer's transaction data that is provided to the country's Central (National) bank.

The report template may be found in the "CB Statistics - Acquiring Business.rdf" file located in the "<OW\_HOME>\client\shared\reports\" directory.

To generate the report, select the "Full → Statistics → CB Statistics → CB Statistics - Acquiring Business" menu item. As a result, the "Date From - To. Statistical report." form will be displayed.

In the report, data is grouped according to the following parameters:

- *Fin. Inst.* – name of financial institution.
- *Trans. Type* – transaction type.
- *Contr. Group* – contract group to which the card acquired on the acquirer's device belongs.
- *Country* – country where the device is located.
- *Currency* – transaction currency. This field can contain either a local currency letter code or the "Foreign" value for any foreign currency.

In the report, information is shown in the following columns:

- *Contracts* – contract group to which the device on which the transaction was executed belongs.
- *Region* – region where the card was issued.
- *N of Docs* – number of processed documents of this type.
- *Amount* – total amount of transactions of this type in the transaction currency.
- *Local Amount* – total amount of transactions of this type in the local currency.

According to the requirements of some Central (National) banks, information on on-us transactions (that is, transactions executed with "our" cards on "our" devices) executed abroad must be presented separately.

In WAY4, support of this requirement is implemented in two ways.

The first method is based on the use of an attribute in a financial institution's parameters. This method requires the following condition to be met: if the bank

acquires cards in other countries, all devices located there must be registered within separate financial institutions.

For data to be grouped in the CB Statistics - Acquiring Business report taking a territory into consideration, add the "CB Territory" attribute in the "Financial Institutions" form (Full → Configuration Setup → Main Tables → Financial Institutions) and fill it in with the necessary value, e.g. the code of the country where the financial institution is registered.

To do so, select the "Full → DB Administrator Utilities → System Utilities → Additional Fields" menu item to open the "Additional Fields" form (see Fig. 1). Click the [Ins] button to add a new record and select the "Financial Institution" value from the list.

Fig. 1. Form for selecting a table to which an attribute will be added

Next, click the [Columns] button. As a result, the "Columns for Financial Institution" child form (see Fig. 2) will be displayed. In this form, click the [Ins] button to add a new record and enter the "CB Territory" value in the *Column Name* field. After adding an attribute, restart DB Manager.

Fig. 2. Form for entering an attribute name

To edit an attribute value, select the "Full → Configuration Setup → Main Tables → Financial Institutions" menu item to open the "Financial Institutions" form (see Fig. 3). To display attributes, select the "Data => View Attributes" system menu item. After this, select the required financial institution and fill in the attribute.

Fig. 3. "Financial Institutions" form

According to the second method, the device's location in a particular territory is determined by the value specified in a special additional address. Use the "Address Types" form (Full → Configuration Setup → Client Classifiers → Address Types) to register a special additional address type. If this method is used, the value equal to the code of the special additional address type must be assigned to the "CB\_TERRITORY\_ADDR" global parameter (see the document "WAY4™ Global Parameters").

Specify an additional address on one of the following levels:

- Additional address of the device contract
- Additional address of the client for whom the device is registered
- Additional address of the deposit contract of the financial institution where the device is registered. The "Institution Specifications" form (Full → Configuration Setup → Accounting Setup → Institution Specifications) is used to specify a financial institution's deposit contract.

Specify a territory code in the *Municipality* field of the form used to enter additional addresses..

Moreover, to determine the geographic location to which contracts belong when gathering statistics, the global parameter "CB\_TERRITORY\_ADDR\_TAG" is used (for more information see the section "CB\_TERRITORY\_ADDR\_TAG" of the document "WAY4™ Global Parameters").

After executing one of the procedures described above, data in the CB Statistics - Acquiring Business report will be grouped with consideration for the territory.

## Batch Report Generation

In WAY4, Central (National) bank reports may be generated in batch mode. In this case, executing a menu item results in the generation of separate reports for all financial institutions registered in the system.

The "Full → Statistics → CB Statistics → CB Statistics - Issuing Business (Batch)" and "Full → Statistics → CB Statistics → CB Statistics - Acquiring Business (Batch)" menu items are used to generate reports in batch mode. Executing these menu items generates "CB Statistics - Issuing Business" and "CB Statistics - Acquiring Business" (see "CB Statistics - Acquiring Business") reports, respectively, for all financial institutions registered in the system.

In the standard system configuration, generated reports are located in the "<OW\_WORK>\Data\Reports\CB\" directory. If necessary, this directory may be redefined by assigning the necessary value to the STMT\_DIR parameter in DB Manager configurations (see the section ""Database" Item" in the document "DB Manager Manual") or in the "<OW\_WORK>\db.ini" file. For example, if it is necessary to put reports in the "<OW\_WORK>\Data\Reports\_New\CB\" directory, the STMT\_DIR parameter must be assigned the "<OW\_WORK>\Data\Reports\_New" value.

In this case, a separate directory is created for each financial institution, where an institution's branch code is the name of the directory. The "CB Statistics - Issuing Business.txt" (or "CB Statistics - Acquiring Business.txt") file containing the report itself and the "CB Statistics - Issuing Business.cfg" (or "CB Statistics - Acquiring Business.cfg") file containing the report creation parameters are located in this directory.