

CS MONITOR

CS¹ Monitor is a software module designed for logging data collection sessions between the Communications Server software module and a terminal.

The *Module* allows the user to obtain detailed information about data collection sessions in the form of reports. If any errors occur in the course of collection, the function of automatic log file sending via e-mail allows operators to respond in real time to any arising problems.

CS Monitor has an error decoding reference that helps the operator to obtain complete information about the failures occurred during data collection sessions.

CS Monitor can automatically receive files obtained during a terminal collection session via CS, process them and place the transactions contained in the received files to the repository for their further processing in the OC². In addition, codograms for sending information about the collections to the ROC³ and/or DPC⁴ are created. A locking mechanism prevents simultaneous reception of transactions by the *Module* and the OC. However, transactions can be processed in the OC simultaneously with reception of transactions in the *Module*. Transactions can be received by the *Module* both in the standard mode and in the mode of operation without the database.

The *Module* also allows processing the serial numbers received from a terminal during a data collection session and keeping the history of terminal replacement at the POS⁵. The history of terminal replacement, as well as detailed reports on performed collections and terminal inventory information, can be viewed using the "Reports on collection (CSM)" program module.

Processing of each new file group starts immediately after they are received from the CS and is performed simultaneously with the files already being processed. Thus, in case of large amounts of incoming data, their parallel processing significantly reduces the total processing time.

CS Monitor can be started as a Windows service, which allows performing data collection before logging in to the system. When the *Module* is started as a service, it is controlled directly from the CS Monitor settings.

CS Monitor can operate both in the online mode and in the mode without continuous connection to the OC database. In the latter case, IN and OUT files are exchanged between the CS and the OC manually.

The general work scheme is shown in Fig. 1.

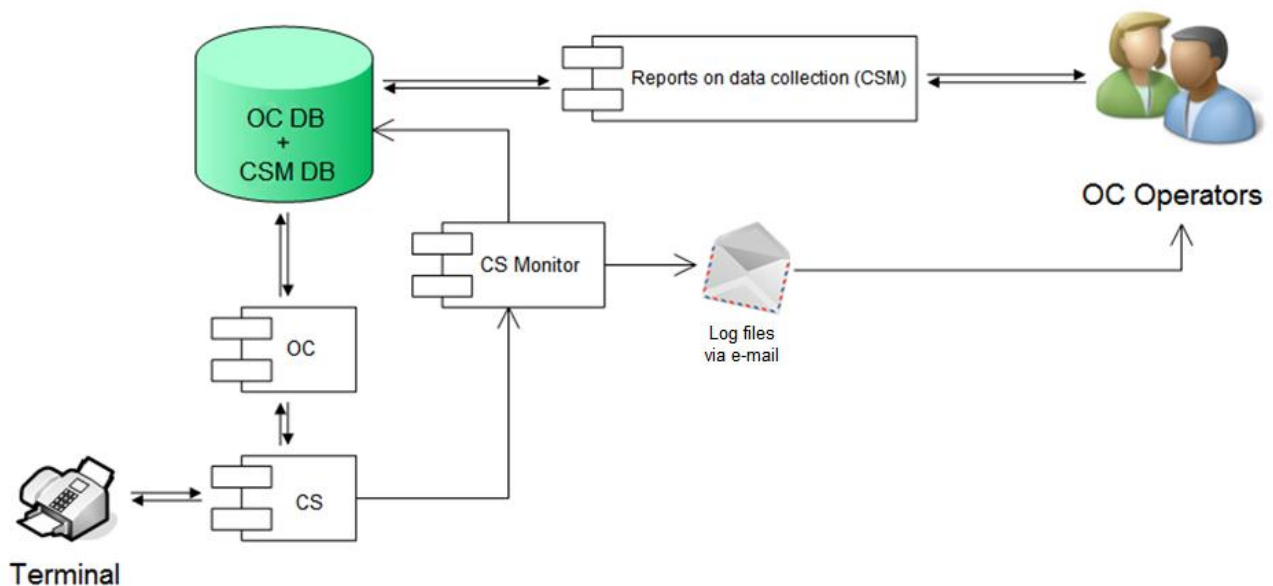


Fig. 1. General work scheme of the program

¹ Communications Server

² Operation Centre

³ Regional Operation Centre

⁴ Data Processing Centre

⁵ Point of sale