

**LIST OF HARDWARE AND SOFTWARE
NECESSARY FOR THE CLIENT SUBSYSTEM OPERATION**

1. For the personal computer:

1.1. One or several computers with manufacturer-supported operational system Windows 7 or higher. Computers shall be equipped with the following:

- with regard to the corporate segment clients: an operational USB-port and access to the Internet (or connected to a high-speed modem). The rest of the settings shall be by default;
- with regard to the business segment clients: an operational USB-port or a disc drive and access to Internet (or connected to a high-speed modem). The rest of the settings shall be by default.

If the organization has a network firewall, there shall be a possibility to establish TCP-connection through port 443.

If you plan to work through modem passing the Internet network, the TCP/IP enabled Remote Access Service must be installed on the computer. In that case the Bank will provide telephone number, login and password to access to bank's modem pool.

1.2. The following programs must be installed on the computer:

- browser Microsoft Internet Explorer version 9.0 (minimal version) and higher, (11.0 - recommended version). Working with similar program products of other companies (Netscape etc.) is not allowed. Browser settings - default. When working with WEB-server of the System:
 - system User Rights should allow to update and execute elements of Active X, install plug-ins (only when working with Depository module of the System);
 - pop-up blocker must be disabled.
- CryptoPro CSP Cryptographic Information Protection Facility (CIPF), version 4.0 and higher (developer - "Crypto-Pro" LLC), taking into consideration its compatibility with the operational system. The program is necessary to protect the TLS protocol connection. The software and documentation are available in open access at <http://www.cryptopro.ru>, after successful registration procedure.
- Certificates of authorized "Crypto-Pro" LLC Verification center are in the root container of trusted certificates. Certificates are available on Verification Center site at : <http://q.cryptopro.ru/>

1.3. Additional software, available for downloading from WEB-server of the System:

1.4. program for Key library generation and for checking ES in Cryptomanager.exe ED.

1.5. Access to the WEB-server of the System is available at: <https://www.bankline.ru>.

2. For the Mobile Application:

2.1. The following shall be installed on the Mobile Device:

- Android operating system, version 5.0 and higher using only the officially installed software.
- iOS operating system, version 8 and higher using only the officially installed software.