



ELECTORAL PROCESSES DIGITALIZATION

Concern «Avtomatika»

About the Concern «Avtomatika»

Concern «Avtomatika» is an industrial company supplying integrated high-tech solutions with a high degree of information security for business and government.

MORE THAN 70
YEARS OF EXPERIENCE

CENTRE OF COMPETENCE OF ROSTEC
STATE CORPORATION IN IT AND CYBER SECURITY

FIELDS OF ACTIVITY:

- *Communications and data transmission*
- *Computer Engineering*
- *Security*
- *Transport*
- *Trade*
- *Medicine*
- *Education*
- *Military-industrial complex*

CUSTOMERS:

- *Governments*
- *Commercial structures*
- *Uniformed agencies*
- *Russian defence enterprises*
- *State corporations*
- *Individuals*
- *Foreign customers*

AMONG ENTERPRISE
EXPERTS THE HOLDING
EMPLOYS OVER

11 000
EMPLOYEES

THERE ARE

36

DOCTORS
OF SCIENCES

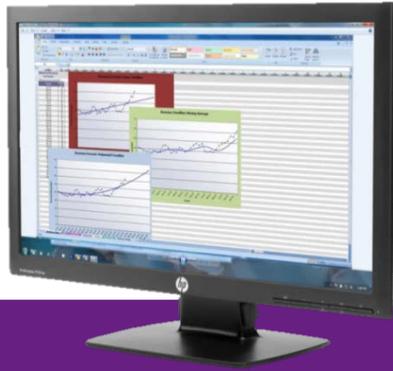
147

CANDIDATES
OF SCIENCES



Digital polling station

SCHEME OF WORK



*1. . Comparison of passport
with voter's database*



2. Issuing a barcode



3. Voter voting



*4. Printing
of voting results*



*5. Downloading data
to the SAS «Vybory»*



Composition of parts for equipping digital polling station



COMPOSITION:

- Voting terminal
(from 4 to 16 devices)
- Controller to activate
the barcode and provide
access to the e-bulletin
(up to 5 devices))
- Network controller
with external printer



Digital polling station automation equipment complex technical characteristics



- A new complex of automation equipment for a digital polling station can include at least 4 voting terminals with the ability to scale up to 16 devices*
- Software download without disassembling the device*
- 5-6 kg weight*



Voting terminal element base:

- Based on AWP architecture (32-bit microcontrollers of the STM32F7 series)*

Software:

- No operating system*



Ballots Processing Complex on a digital polling station



*BPC is a device for automated counting of votes,
the formation and printing of the final protocol.*

KEY FEATURES

- An automatic ballots capture mechanism, a reading line, which allows real-time scanning and recognition of ballots*
- The complex automatically marks invalid ballots*
- The complex has the function of data transmission through a machine-readable QR-code*
- The complex does not allow to draw several ballots simultaneously*
- The complex receives the initial data and transfers the data of the final protocol on an external electronic storage medium*



The international cooperation

ANGOLA

In 2016, Concern's employees organized and conducted electronic voting at the congress of the governing party in Angola.

The quality of the equipment and services delivered was highly appreciated by the highest officials of the state, which allowed us to develop further cooperation in this direction.



The international cooperation

ECUADOR

In 2014, equipment was used to hold municipal elections in Ecuador.

After successful elections conducting, Russian and Equadorian representatives developed plan to completely replace in Ecuador the ordinary voting with electronic by 2021.





Rostec

WWW.ROSTEC.RU