

SUMMARY OF EXHAUST QUALIFICATION WORK

Theme of the final qualifying work: Justification of the choice and development of the system of remote control and access control on the example of the Ministry of Labor, Employment and Social Development of the Republic of Ingushetia

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Information about the contracting authority: The full name of the institution is the Ministry of Labor, Employment and Social Development of the Republic of Ingushetia. The main activity is: "State management of social programs". The Institution "Ministry of Labor of Ingushetia" has the status of an executive authority of the Republic of Ingushetia and is engaged in the implementation of state policy on the territory of the republic. The Ministry of Labor implements the functions of state administration in the spheres of labor activity, social protection of the population and its employment.

Relevance of the research topic: The effectiveness of a modern integrated information security system, including at a state enterprise, is its continuity and complexity. The complexity of the protection is provided by a combination of measures: program, technical, program-technical, organizational, legal and regulatory.

To ensure the continuity of all these protective measures, a clear information security policy should be developed, objectives and tasks in specific areas of their application identified, and all possible risks identified and analyzed.

The purpose of the work: application of theoretical knowledge in practice and development of professional skills and skills in the field of organization and

technology of remote authentication protocols when solving practical problems of information protection in this institution.

Tasks:

Analysis of the Ministry of Labor, Employment and Social Development of the Republic of Ingushetia, a brief description of its units and their activities;

study and analysis of a set of measures to protect information in the Ministry of Labor, Employment and Social Development of the Republic of Ingushetia;

Development of proposals on the organization of control and access control in the information system of the Ministry of Labor, Employment and Social Development of the Republic of Ingushetia;

selection of information security means for organizing an automated access control system in the information system of this institution;

Development and description of remote control algorithms of ACS in practical applications.

Theoretical and practical significance of the research The theoretical significance of this scientific research is as follows:

analyzed laws and regulations in the field of information security;

Special literature has been studied and the market of hardware and software products in this field has been explored;

Existing measures and means of protecting information in the institution of the relevant Ministry of Ingushetia;

Defined the problems and shortcomings in the organization of an integrated system of information security in this organization.

Practical significance of the results:

The algorithm of remote access control and access control based on the hybrid probabilistic model of cryptographic transformations was developed and investigated.

Results of the research: The conclusion summarizes the work done and describes proposals for improving the integrated security system in this organization.

Recommendations: to refine the existing system of protection of the remote control and access control system at the institution.