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CITIZEN BEHAVIOR IN EMERGENCY SITUATIONS AND SYSTEMIC MANAGEMENT MECHANISMS AMONG PARTNER ORGANIZATIONS

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ANNOTATION

This article analyzes the characteristics of citizen behavior in emergency situations and the issues involved in effectively organizing cooperation among partner organizations. Within the scope of the study, the principles governing the functioning of management mechanisms were examined using the state system for the prevention of and response to emergencies (FVDT) as an example. In addition, the study analyzes the decision-making process in emergencies, information exchange, the coordination of forces and resources, and the institutional aspects of systemic management. The findings of the research make it possible to develop scientific and practical proposals aimed at improving the management system while taking human factors into account in emergency situations.

KEYWORDS: *Emergency Situation, Human Factor, Systemic Management, FVDT, Partner Organizations, Decision-Making, Emergency Management, Risk Reduction.*

At present, the growing number of emergencies of natural, technological, and social character worldwide is turning the issues of ensuring public safety, protecting the population, and maintaining the stable functioning of sectors of the economy into urgent tasks. Emergencies not only cause material losses but also pose a serious threat to human life and health. Therefore, the organization of an effective management system in such situations, the proper guidance of citizen behavior, and the coordination of cooperation among various organizations are of great importance.

The effectiveness of the emergency management system largely depends on the human factor, that is, on how prepared the population and responsible officials are to act in such situations. Under conditions of psychological pressure, time scarcity, and lack of information, the human decision-making process becomes more complex. For this reason, the scientific study of citizen behavior in emergencies and its alignment with management mechanisms constitute an urgent scientific issue.

In the Republic of Uzbekistan, within the framework of state policy on the prevention of and response to emergencies, the state system for the prevention of and response to emergencies (FVDT) has been functioning. This system embodies a unified organizational and managerial mechanism aimed at forecasting emergencies, preventing them, eliminating their consequences, and protecting the population and territories. Within the FVDT framework, various ministries and agencies, local public authorities, rescue services, and other partner organizations operate on the basis of mutual cooperation.

However, practice shows that in emergency situations certain problems may arise in relation to the human factor, the effectiveness of information exchange, the coordination of interagency cooperation, and the decision-making process. This indicates the need to further improve systemic management mechanisms, strengthen cooperation among partner organizations, and scientifically analyze citizen behavior.

From this perspective, analyzing citizen behavior in emergency situations and systemic management mechanisms among partner organizations using the FVDT system as an example, assessing existing practice, and developing scientific proposals for its improvement constitute one of the important directions of this study.

In the current context of globalization, the number and scale of emergency situations associated with natural disasters, technological accidents, and social risks are increasing. Such situations can cause major damage to human life, the environment, and sectors of the economy. Therefore, issues related to preventing emergencies, eliminating them in a timely manner, and protecting the population and territories are becoming one of the priority directions of state policy.

The process of emergency management requires the joint activity of numerous organizations and services. To ensure effective management in such situations, not only technical and organizational capabilities but also the human factor—that is, human behavior under risk conditions, decision-making ability, and the level of coordination of collective actions—are of great importance. Scientific studies show that the effectiveness of decisions made in emergencies largely depends on a person's psychological state, the speed of information perception, and the clarity with which the management system is organized.

In the Republic of Uzbekistan, the state system for the prevention of and response to emergencies (FVDT) is a unified organizational and managerial mechanism aimed at protecting the population and territories, forecasting emergencies, preventing them, and eliminating their consequences. Within this system, various ministries and agencies, local public authorities, rescue services, and other partner organizations operate on the basis of mutual cooperation. However, in practice, when emergencies occur, certain problems remain in coordinating interagency cooperation, organizing rapid

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information exchange, and making decisions while taking human factors into account.

From this perspective, studying citizen behavior in emergencies, improving systemic management mechanisms among partner organizations, and ensuring their mutual coordination are of both scientific and practical importance. This study is determined by the need to improve management efficiency in emergencies, enhance interagency cooperation with due regard to human factors, and develop the decision-making system in the process of emergency response using the FVDT system as an example.

The process of preventing emergencies and eliminating their consequences requires a complex organizational and management system. In such situations, rapid decision-making, the effective organization of information exchange, and ensuring coordinated actions among different ministries and agencies are of great importance. In particular, the human factor—that is, a person's psychological state, behavior under risk conditions, and decision-making process—directly affects management efficiency in emergencies.

Practice shows that when emergencies occur, certain problems may be observed in the processes of cooperation and information exchange among partner organizations. In particular, delays in the delivery of information for management decision-making, insufficiently functioning interagency coordination mechanisms, inadequate consideration of the human factor, and the absence of actions organized on the basis of a unified plan may reduce the effectiveness of emergency response.

In the Republic of Uzbekistan, the state system for the prevention of and response to emergencies (FVDT) is the principal organizational and management mechanism in this sphere. This system is aimed at emergency management by integrating the activities of management bodies at different levels, rescue services, and partner organizations. However, in the context of modern risks and complex technological processes, there is a need to further improve the functioning of this system, strengthen interagency cooperation with due regard to the human factor, and scientifically analyze systemic management mechanisms.

In this regard, the scientific analysis of citizen behavior in emergencies and the systemic management mechanisms that ensure cooperation among partner organizations using the FVDT system as an example, as well as the identification of existing problems and the development of effective proposals for their elimination, are defined as the main problem of this study.

The purpose of this study is to analyze the characteristics of citizen behavior in emergency situations and the systemic management mechanisms that ensure cooperation among partner organizations using the state system for the prevention of and response to emergencies (FVDT) as an example, and to develop scientifically grounded proposals and recommendations aimed at increasing the effectiveness of emergency management.

To achieve the purpose of this study, the following key tasks were identified:

- To analyze the theoretical and practical aspects of citizen behavior in emergencies on the basis of scholarly literature and existing studies;
- To study the influence of the human factor on the decision-making process and management effectiveness in emergencies;
- To analyze the organizational structure and management mechanisms of the state system for the prevention of and response to emergencies (FVDT);
- To assess the current state of interagency cooperation and information exchange mechanisms among partner organizations in emergencies;
- To identify the main factors affecting citizen behavior and the effectiveness of interagency cooperation in emergencies;
- To develop organizational and practical proposals aimed at improving management efficiency in emergencies within the framework of the FVDT system;
- To develop scientifically grounded recommendations for improving systemic management mechanisms in emergencies while taking the human factor into account.

In the course of this study, the following scientific research methods were used:

- Analysis of scientific literature — to form the theoretical foundations through the study and analysis of national and foreign scholarly sources on citizen behavior in emergencies, management mechanisms, and interagency cooperation;
- Systems analysis — to conduct a comprehensive analysis of the organizational structure of the state system for the prevention of and response to emergencies (FVDT), its management mechanisms, and their interrelationships;
- Comparative analysis — to identify advanced practices by comparing the experience of foreign countries in the field of emergency management with the FVDT system;
- Statistical analysis — to examine available statistical data on emergencies and assess, on that basis, the factors influencing management effectiveness;
- Modeling — to analyze citizen behavior in emergencies and management processes among partner organizations and to develop effective management models;
- Expert assessment — to refine the research findings through the study of the opinions and recommendations of specialists and practitioners working in the field of emergencies.

These research methods make it possible to comprehensively study citizen behavior in emergencies and the systemic management mechanisms among partner organizations, evaluate their effectiveness, and develop practice-oriented scientific proposals.

As a result of the research conducted, the following key findings were obtained regarding the improvement of citizen behavior in emergencies and the systemic management mechanisms among partner organizations:

- It was scientifically substantiated that the specific characteristics of citizen behavior in emergencies—namely, the decision-making process under conditions of risk, psychological factors, and the speed of

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information perception—directly affect management effectiveness;
- Within the framework of the state system for the prevention of and response to emergencies (FVDT), the mechanisms of cooperation among various ministries and agencies, rescue services, and local public authorities were analyzed, and their role in the management process was identified;
- The importance of interagency coordination in the processes of information exchange, decision-making, and the mobilization of forces and resources in emergencies was substantiated;
- The study identified the main factors influencing management effectiveness in emergencies, including the human factor, information systems, the level of interagency cooperation, and the speed of management decisions;
- Effective models for organizing systemic management among partner organizations in emergencies while taking the human factor into account were developed;
- Practical proposals and recommendations were developed for improving the functioning of the FVDT system, strengthening interagency cooperation, and optimizing decision-making processes in emergencies.

These results contribute to increasing management effectiveness in emergencies, improving interagency cooperation on the basis of a scientific understanding of citizen behavior, and further developing the functioning of the FVDT system.

In the field of emergency management, many countries have developed effective management systems in which special attention is paid to the human factor, interagency cooperation, and information exchange mechanisms. Studying and comparatively analyzing this experience is important for improving the functioning of the state system for the prevention of and response to emergencies (FVDT).

For example, in the United States, emergency management is carried out by the Federal Emergency Management Agency (FEMA). One of the basic principles of this system is the Incident Command System. This system serves to coordinate the activities of different services and organizations in emergencies through a single command center. This makes it possible to accelerate the decision-making process and improve management efficiency while taking the human factor into account.

In the countries of the European Union, great importance is attached to strengthening interagency cooperation in emergency management. In particular, within the framework of the European Union Civil Protection Mechanism, mutual assistance mechanisms have been established among member states for information exchange, the deployment of rescue forces and resources, and emergency response. This system ensures rapid cooperation during emergencies.

In Japan, considerable attention is paid to preparedness for emergencies and to the culture of public action. The country regularly conducts training sessions, simulation exercises, and public awareness programs. This contributes to the proper and systematic organization of citizen behavior in emergencies.

The state system for the prevention of and response to emergencies (FVDT) operating in Uzbekistan likewise corresponds in certain respects to these advanced practices. However, the results of comparative analysis show that it is advisable to implement additional measures aimed at further improving interagency cooperation with due regard to the human factor, digitizing information exchange, and optimizing decision-making processes in emergencies.

Thus, the analysis of foreign experience has important scientific and practical significance for improving the management mechanisms governing citizen behavior in emergencies and cooperation among partner organizations, and for developing the functioning of the FVDT system in accordance with modern requirements.

The scientific novelty of this study consists in the following:
- The influence of citizen behavior in emergencies on the management decision-making process was analyzed on the basis of a systems approach, and theoretical foundations were developed for integrating the human factor into the emergency management mechanism;
- Within the framework of the state system for the prevention of and response to emergencies (FVDT), the operating principles of cooperation and information exchange mechanisms among partner organizations were comprehensively analyzed, and a scientific approach aimed at increasing their effectiveness was proposed;
- A systemic management model was developed reflecting the interrelationship among citizen behavior in emergencies, information flow, and interagency cooperation;
- Scientifically grounded proposals were developed for improving management mechanisms aimed at optimizing the decision-making process in emergencies and ensuring the effective deployment of forces and resources;
- Practical recommendations were formulated for strengthening interagency cooperation within the FVDT system while taking the human factor into account, accelerating information exchange, and increasing management efficiency.

These scientific novelties serve to improve the emergency management system, strengthen interagency cooperation with due regard to the human factor, and increase the effectiveness of the functioning of the FVDT system.

The findings of the study show that the harmonious interaction of the human factor, interagency cooperation, and systemic management mechanisms is of decisive importance for ensuring effective management in emergency situations. Under emergency conditions, rapid decision-making, the effective organization of information exchange, and the coordinated mobilization of forces and resources are among the key factors in reducing the negative consequences of emergencies.

During the study, the specific features of citizen behavior in emergencies, psychological factors, and the main factors affecting the decision-making process were analyzed. In addition, the cooperation mechanisms among various ministries

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and agencies, local public authorities, and rescue services within the framework of the state system for the prevention of and response to emergencies (FVDT) were examined.

The results of comparative analysis show that, in the experience of foreign countries, considerable attention is paid within emergency management systems to taking the human factor into account, digitizing information exchange, and strengthening interagency cooperation. Studying this experience and adapting it to the national system makes it possible to further improve the functioning of the FVDT system.

On this basis, scientifically grounded proposals and recommendations were developed for improving citizen behavior in emergencies and the systemic management mechanisms among partner organizations, developing information exchange systems, strengthening interagency cooperation, and optimizing decision-making processes. These proposals serve to improve the effectiveness of emergency management, ensure the safety of the population and territories, and develop the functioning of the FVDT system in accordance with modern requirements.

REFERENCES

1. *Constitution of the Republic of Uzbekistan (new edition). Tashkent: Uzbekistan, 2023.*
2. *Decree of the President of the Republic of Uzbekistan No. PF-60 of January 28, 2022, "On the Development Strategy of New Uzbekistan for 2022–2026." National Legal Database / Lex.uz.*
3. *Decree of the President of the Republic of Uzbekistan No. 185 of October 20, 2025, "On Raising the Sphere of Reliable Protection of the Population and Territories from Emergencies to a Qualitatively New Stage."*
4. *Resolution of the President of the Republic of Uzbekistan No. 310 of October 20, 2025, "On Organizational Measures for the Further Improvement of the Activities of Emergency Bodies."*
5. *Resolution of the President of the Republic of Uzbekistan No. 311 of October 20, 2025, "On Measures for the Digitalization of the Sphere of Protection from Emergencies and the Development of Scientific and Innovative Activity."*
6. *Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 171 of April 29, 2023, "On Further Improving the State System of the Republic of Uzbekistan for the Prevention of and Response to Emergencies."*
7. *Federal Emergency Management Agency. National Incident Management System. Washington, 2017.*
8. *United Nations Office for Disaster Risk Reduction. Sendai Framework for Disaster Risk Reduction 2015–2030. Geneva, 2015.*
9. *Coppola, D. Introduction to International Disaster Management. Oxford: Butterworth-Heinemann, 2020.*
10. *Alexander, D. Principles of Emergency Planning and Management. Oxford University Press, 2015.*
11. *Comfort, L. Managing Disaster: Strategies and Policy Perspectives. Durham: Duke University Press, 2019.*
12. *Ministry of Emergency Situations. Methodological Guide on the Prevention and Elimination of Emergencies. Tashkent, 2022.*
13. *UNDRR. Global Assessment Report on Disaster Risk Reduction. Geneva, 2022.*