

Accidents of technogenic and natural character which make threat to Ukraine. Interaction of Ukraine and the NATO and in these limits with Hungary in the field of protection against accidents

1. Scientific formulation of the problem

During the last decade the problematics of security policy in the field of interrelations of safety and environment, factors of various threats and possible accidents have gained increasing value at the international, national and regional level. For the European continent in respect of a civilization it is the prevention of emergency situations in questions connected with operative activity in crisis territories. This problem is pointed any day. After the end of the period of cold war the problem of the effective maintenance of ecological and technogenic safety on the national level has moved to the forefront in civil and military spheres. This problem makes a part of a security policy of the young Ukrainian state as well. The importance of the subject of research consists in, that Ukraine, due to the geostrategic position and a number of problems it has plays an important role in the European security policy. The European states are interested in political, economic and public safety of Ukraine. Ukraine can provide it by Euro-Atlantic integration. The emergency situations and accidents which have happened in the end of the 20th – at the beginning of the 21st century, unfortunately, showed that most of the countries can not react to them and struggle with their consequences alone. The international cooperation at the state level is necessary for the successful solution of the problems. In my work I wish to show possible accidents of the technogenic and ecological character which can occur in Ukraine, and also the systems of protection against the accidents of this state. Within this, I paid special attention to the possibilities of the Ministries of Emergency Measures on performance of the international obligations on reaction to accidents. As a result of the analysis of the abovementioned threats and possibilities I wish to show that the creation of the Ministry of Emergency Measures was a rational step for Ukraine at that time. I reveal geostrategic position and features of the technogenic and ecological conditions and the measures taken by the respective Ministry in reaction to them. As a result of this analysis I come to a conclusion that the organisation of mutual relations in this area is useful and necessary both for Ukraine and the international organisations. Therefore, I wish to show ways of possible reaction to accidents of the Ministry of Emergency Measures and the NATO.

The second main thought of the dissertation is that within the the international cooperation the effective interaction gives the greatest success at the local level.

2. Hypotheses which are established during the dissertation

- As a result of the analysis of threats and possibilities I wish to prove that the creation of the Ministry of Emergency Measures was a rational step for Ukraine. I analyze geostrategic position of Ukraine, its technogenic and ecological situation and efforts which it has made on the way to the Euro-Atlantic integration.
- In my opinion, the international cooperation first of all with the NATO will be necessary for Ukraine. At the same time this cooperation will be useful for the NATO as well. This cooperation which is based on the global level, will be the most effective at the maximum use of local forces and means.
- For today, the interaction on prevention of the accidents of ecological and technogenic character and also reaction and liquidation of consequences will be mutually advantageous both for Ukraine and for the international organisations. Therefore it is necessary to improve interactions between the Ministry of Emergency Measures of Ukraine and the NATO, and in the context of Hungary - with the main management on protection against accidents of the Hungarian republic.

3. The dissertation's purposes are the following:

- to show the format of accidents of technogenic and ecological character for territories and population of Ukraine;
- to analyze the state system of reaction to accidents of the Ukrainian state and organizational principles of the MOE;
- to compare the list of tasks and powers of the Ministry of Emergency Measures to the NATO requirements in this area;
- to show rescue operations which have been most successfully spent by the Ministry of Emergency Measures;
- to analyze the efficiency of actions on liquidation of the consequences of Chernobyl disaster;
- to define Ukraine's role in protection against the accidents and interrelation with the offers of the United Nations, the NATO and the European Union in this area, to give the definitions of possible prospects of development and difficulties which can arise in the field of interaction of Ukraine and the NATO, and also the offer on rendering assistance at occurrence of accidents in national territories;
- to show the list of tasks in the field of reaction to accidents of central administrative board of the Ministry of Emergency Measures of Transcarpathian region, to

investigate conditions of a successful cooperation of Hungary and Ukraine in this area.

4. Research methods

The main basis for my researches was the Ministry of Emergency Measures and its predecessor - a civil defence staff. Besides, my researches are based on the materials of the archives of the Institute of Civil Defence of Ukraine, the library of the National University of Defence and the official documents of the above mentioned republics and the NATO. Besides, I had a number of system consultations during the time of my personal holidays, took part in scientific conferences of the Ministry of Emergency Measures of central administrative board on emergency situations of Autonomous Republic of Crimea and also used the private experience. In the dissertation the general and special methods of scientific researches were applied.

- In the format of the international researches the analysis of systems of reaction to accidents was made. The special literature and the electronic information were analysed and then the information was systematized.
- The received information was processed by methods of induction and deduction. Among special research methods the hypotheses have been designated. Acknowledgement of these hypotheses found the reflection in the end of the dissertation.
- I used consultations of the Hungarian and foreign experts in a wide format. Compared the basic requirements and positions of documents on protection against accidents to the international norms and standards. During research the big help to me was rendered by consultations which were spent on security policy chair, and also chair of protection against accidents of the National university of defence. The basic help to me was rendered by that data which I have received in general management of protection against accidents in respect of joining to requirements of the European Union and the NATO, and also on interaction of the regional managements in this area.

5. The content of the dissertation and its short description.

The dissertation consists of the introduction and three sections.

- Model of management of protection against accidents in Ukraine.

In this section I analyze concept and definition of accidents, factors of threats and

classification of accidents. After disclosing of threats of technogenic and ecological character of Ukraine, I analyze national model of management of protection against accidents. I show the purpose of the Ministry of Emergency Measures, its tasks, the organization and, in general - perspective ways of development. I show the most significant rescue operations spent by the ministry.

- Model of management of protection against accidents of the NATO and its interaction with the Ministry of Emergency Measures.

In this chapter I analyze model of management of protection against accidents in the NATO and the European Union, in the subsequent I analyze communication of the NATO and the Ministry of Emergency Measures and possible prospects of the future cooperation.

- Threats of accidents for the Euro - Carpathian region and Transcarpathians and the frontier Hungarian and Ukrainian cooperation on protection against accidents.

In the third chapter I analyze threats of technogenic and ecological character in Euro - Carpathian region and Transcarpathians. I show the purpose, tasks, organizational structure of territorial regional managements and managements of Ukraine and Hungary on protection against accidents. I single out possible problems and ways of the further cooperation on the basis of the analysis of experience of regional cooperation. In the end I do conclusions and offers.

6. The generalized conclusions.

On the basis of research aims I have come to the following conclusions:

- On the basis of the analysis of threats of technogenic and ecological character for the population and territories of Ukraine and the countries adjoining on it, the created system of the state institutions on prevention and reaction to accidents is the most correct decision. Besides I have shown that the problematics of minimization of consequences of Chernobyl accident became one of important factors of creation of the Ministry of Emergency Measures.
- On the basis of my analysis I have shown that it would be expedient to consider strategic concepts of the NATO anew. Besides terrorism, the threats of the natural and technogenic character come on the foreground. The objects located in territory of Ukraine, with a critical infrastructure, the big format of threats of natural character, and also a geographical position of Ukraine carry our country to the important priorities of activity of the NATO.

- I have established that in regions of central-east Europe it is vital to develop and improve interaction between Ukraine and the NATO for the purpose of protection against accidents.
- I have established that systematically repeating natural accidents in the Carpathian region is a serious check for system of protection of the population and territories of Ukraine. In this sphere the most considerable threat is born in itself by the river `Tisa` which catastrophically floods territories of both states. In the field of protection against accidents of frontier cooperation the basic priorities should be given to the protection against flooding, their prevention, liquidation of consequences.

7. The new scientific achievements.

In the dissertation I have formulated three hypotheses. I have proved their acknowledgement in three sections of work and on the basis of it, I consider, new scientific achievements are reached.

- I have proved that owing to political and economic changes in 1991 the creation of the Ministry of Emergency Measures became the important and well-founded step.
- I has shown necessity of it, and also that for maintenance of the safe activity two and multilateral cooperation is necessary with the purpose of performance of tasks of protection of the population and territories, and also liquidations of consequences of accidents.
- In the consequence of the made researches in the field of protection against accidents of the Carpathian region in a frontier Ukrainian-Hungarian strip has come to a conclusion that the co-ordinated actions in planning of decrease in risk and threats of ecological accidents are necessary.
- I have shown the expediency of attraction of `Tisa` battalion, the civil and correlative organisations for decrease in risk and flood consequences, and also for liquidation of their consequences.

8. Offers.

On the basis of the facts set above I offer: at accidents of ecological and technogenic character, the information connected with them caused interest at the international level and concerned the information of the international importance.

- The actions connected with the prevention of accidents and emergency situations, process of liquidation of their consequences concerns a format of a wide spectrum of

actions. Among them: 1- it is the detailed analysis of conditions which has developed in the country in the consequence of accidents of technogenic ecological character and the forecast of possible consequences. The creation of voluntary rescue organizations, expert groups and the state institutions for adequate reaction also concern this. The list of problems is closed by the organization of the international cooperation and strong legal base.

- Ukraine has created a new state institution like which was not earlier for the safety of the national territories, the population and neighboring countries. Unprecedented rescue operations on scales as mine clearing of Kerch peninsula in water area of the Black and Azov seas, liquidation of consequences of explosions in Evpatoria, suppression of large forest fires on the Crimean peninsula showed possibilities of this ministry. The special attention deserves the Chernobyl problem which should remind mankind that inaccuracy in atomic energy can lead to terrible consequences.

I think that actions of the ministry of minimisation of the consequences of Chernobyl accident, and also the expert documentation directed on increase of safety of this atomic power station will be of interest for the Hungarian colleagues. Our young state has inherited many problems considerable part of which is made by a question of protection of the population and territories from accidents. These questions demand considerable financial expenses and efforts at the state level. However, the young Ukrainian state carries these problems to priority despite difficulties. - On the basis of it, the information connected with actions of the Ministry of Emergency Measures will be interesting to the european colleagues and is useful in practice.

- Interaction of Ukraine and the NATO in the field of reaction to accidents demands constant scientific supports.

- Among the changing threats of today's time it would be necessary to consider the problem of attraction of an aviation life-saving service during the carrying out of rescue operations under the leadership of the NATO. On the basis of the analysis of frontier Ukrainian-Hungarian cooperation it would be necessary to expand interactions of Ukraine with other countries of the Carpathian region - members of the NATO. From the point of view of the future researches of questions of interaction of the NATO and Ukraine in the field of protection against accidents it will be good help for the development of relations between educational institutions, which are engaged in protection from accidents.

9. Practical value of the dissertation.

Results of the dissertation can be used for the further development of protection against accidents of Ukraine, and also for working out of perspective programs.

- Within the limits of problems I have defined the direction of the further developments of a technical component, use in the education system in the field of protection against accidents.

- For entering of amendments in standard - legal documents.

The results of this dissertation can form base for the further researches. My offers can assist heads in their work on creation of system of protection against accidents which would correspond to NATO requirements. It can promote the general development of theoretical base of protection against accidents.

10. Own publications connected with the dissertation:

1. Military - civil relations during emergency situations and liquidation of consequences. Magazine: "The Ukraine Armed Forces" № 7, 2006. (Військо України).

2. Mine clearing of water areas of Kerch. Magazine: "The New military review" №8, 2007, (Új honvedségi szemle, 2007. LXI. évf. 8. szám).

3. To Europe - through 112. Magazine: "The emergency situation" № 1, 2008. (Надзвичайна ситуація).

4. Fire-prevention protection of warehouses of an ammunition in Ukraine. Magazine: " The fire-prevention protection and protection against accidents" № 4, 2008. Védelem (Katasztrófa- és Tűzvédelmi Szemle XV. Évfolyam, 4. szám),

5. Gas explosion in Evpatoria. Magazine: " The fire-prevention protection and protection against accidents" № 5, 2008. (Védelem Katasztrófa- és Tűzvédelmi Szemle XVI. Évfolyam, 3. szám, 2009. május, ISSN 1218-2958, 33-35. o)/

6. About system of civil protection of Hungary, principles and ways of the prevention of emergency situations. Magazine:" The emergency situations " № 3, 2009.

7. The integrated interaction of the Ministry of Emergency Measures and the NATO in 2008. Magazine: " The Scientific review " № 2, 2009.

8. The Ukrainian practice of application of aircraft in suppression of large forest fires. Magazine: " The aviation - the scientific bulletin ". № 4, 2009.

9. The hungarian pyrotechnists` working everyday life is as strained as their Ukrainian colleagues` of the Ministry of Emergency Measures. The Internet - article.
10. Questions of frontier interaction of Ukraine and Hungary in the field of protection against accidents. Magazine: "The civil defence bulletin " № 2, 2010.