1. INTRODUCTION

The security of the Slovak Republic is based on the political, economic, humanistic, legal, social, cultural, historical, military and strategic, internal security and ecological elements and their mutual links. It represents a structured multidimensional system that protects:

- the lives, freedom and property of the citizens,
- the society with its intellectual and material values,
- the state as a whole (unit).

The achieved level of the state’s security is very closely connected with the real needs of the society which wants to feel safely with the current and potential threats on the one hand and with the international reputation, economic opportunities, technological prerequisites, human potential and a whole range of other assumptions on the other hand. The security system of the state represents the institutional and functional expression of the state’s security policy. It is a system of the public administration’s institutions, forces and means of the military forces, armed security units, emergency units and services, corporations and self-employed people, the appropriate legal standards, mutual links and relations through which the security of the state, its citizens, material values and environment are ensured. An appropriately working security system is thus an inevitable assumption for achieving the state’s overall security.

2. SECURITY SYSTEM OF THE SLOVAK REPUBLIC

The security environment from the global point of view, but also from the viewpoint of every country or region, changes and develops continuously. It is modified by a whole range of external as well as internal factors out of which majority is of a stochastic character; however, some of them have a strictly deterministic nature. A comprehensive analysis of the security environment has always had a quasi-objective character, and is limited by a range of subjective attitudes and the rate of accessibility and truthfulness of the input data.

The appropriate bodies of the legislative and executive powers, prosecution, local state administration, territorial self-government as well as the corporations and self-employed people have responsibility for guaranteeing the security of the...
state in the range of determined scope of authority and in the framework of the stated competencies. The security state of the country is created by sub-systems, management areas of the security system, foreign security policy of the state, by providing the defence of the country, citizens’ protection, protection of the property and the environment, the internal security and order in the country as well as the area of ensuring the forces, means and resources inevitable for the activities of the security system comprehensively.

The area of the Slovakia’s security system is created by bodies of the public power of the state and the corporations and self-employed people which continually ensure planning, organising, coordinating, realising and checking the decisive measures for ensuring the constant functionality of the security system. The Slovak government and its Ministry of Defence and Ministry of Interior play the most important role here. It is linked with the area of the foreign security policy created by the bodies of the state’s public power, especially the Ministry of Foreign and European Affairs of the Slovak Republic, the Ministry of Defence, Ministry of Interior and Ministry of Economy of the Slovak Republic. They make decisions and carry out activities in the area of forming a stable external security environment. The area of defence is created by the state’s public power bodies and the corporations and self-employed people that create assumptions for ensuring the state’s defence, preparation for the state’s defence and for fulfilment of the obligations resulting from the international treaties concerning the common defence through their activities and measures. The area of protecting the citizens, property and the environment as well as the internal security and order in the country is formed by the bodies of the state power and appropriate corporations and self-employed people whose activities and measures ensure prevention and solve the threats of the non-military character.

The area of ensuring the necessary prerequisites is the last sphere of the security system. It is created by the state’s public power bodies and corporations and self-employed people participating in ensuring the material and technical prerequisites. Their activities and measures form assumptions for ensuring the functionality of the individual sections of the security system. One part of this area is e.g. the System of Economic Mobilisation, the state material reserves, but also the critical infrastructure elements. The result of their activities is especially the summary of the organisational, economic, material and technical and financial measures without which it would not be possible to solve any major crisis situations.

3. ECONOMIC MEASURES FOR THE STATES OF CRISIS

The common crisis events can escalate into the State of Crisis (SoC) which we perceive as the crisis situations. In the law of the Slovak Republic (SR) there are 4 SoCs with corresponding examples of the crisis situations: State of Emergency (SoEm) (e.g. severe floods, severe earthquakes, major industrial accidents, etc.), State of Exception (SoEx) (e.g. riots, terrorism, etc.), State of Ware (SoW) (e.g. the threat of military aggression, threat of the war declaration, etc.) and War (e.g. war outside or inside the SR borders) [1]. The SoCs are legal states declared by the government of the SR and characterised by the fact that their solutions are no longer sufficient by the common forces and resources of the integrated rescue system. In order to deal with the SoC specific measures are used (economic mobilisation, state material reserves, directive public restrictions, using of armed forces, etc.) which can vary depending on particular CS solution requirements. For references see [2] and [3].

The economic mobilisation (EM) is one of the basic pillars of solving the crisis situations, transformation of economy, ensuring the basic needs inevitable for survival of inhabitants, and for ensuring the activities of the armed forces, armed security units, emergency units of the integrated rescue system and subjects of the economic mobilisation.

The EM system fulfils a whole range of measures which belong to the competencies of the economic mobilisation. The particular EM subjects are established according to the law or by decisions of the competent body. They represent especially individual bodies of the state administration, self-government (72 district offices, 2,930 villages and towns, 8 regional territorial units) and defined entrepreneurial subjects (also budget and state-funded institutions) which will carry out specific activities and measures (several hundreds of subjects) during the state of crisis in the area of production, trade, services, finance, social welfare and healthcare and realise specific activities and measures in selected spheres of the out-of-economy social superstructure and other institutions (Slovak Radio and TV, National Bank of Slovakia, the Treasury, Social Insurance and
public universities). Those subject ranked in the EM are prepared for realising particular EM measures already during the state of security and carry them out after declaring some of the states of crisis or based on an order of the competent body.

The EM measures ensure fulfilling the basic functions of the state during the states of crisis and their financing is carried out by the state from the financial means of the state budget. The EM measures can be divided to the general and specific ones. The general measures are fulfilled by all EM subjects. The specific measures are fulfilled only by those subjects whose duty results from their position in the crisis management system or their tasks determined by the decision of the competent body.

The general EM measures are as follows (Act 179/2011, Coll. [2], [3] and [4], [5] and [6]):
- the crisis planning – the procedures and activities of the EM subjects which determine the method of carrying out the assigned EM measures, including the working out of the crisis plan and information to the uniform information system of the economic mobilisation (UIS EM),
- ensuring the financial means – the acquiring of the financial means and managing it when carrying out other measures of the economic mobilisation,
- registering the human resources – keeping records about the human resources due to assigning the working duty during crisis situations,
- registering the material means – keeping records about the material means at the EM subjects and at district offices, this means can be used for fulfilling the measures,
- the fulfilment of the measures – a set of measures assigning the duties for the corporations and self-employed people to provide material means for realising the EM measures. The material means can be tangible and intangible assets including technologies, energy, water and documentation,
- the working duty – a set of measures for implementing the legal duty of a person having a permanent address in the Slovak territory to carry out determined activities of the EM measures during a crisis situation (the duty of the employee to stay at his/her workplace and to carry out activities also at another place than agreed or activities of a different type than agreed) or the duty of a person to fulfil tasks inevitable for coping with the EM measures during a crisis situation.

The specific EM measures are as follows (Act 179/2011, Coll. [2] and [3]):
- protecting the vitally important resources,
- organising the production and organising the services,
- regulating the distribution and consumption of electricity and heat and regulating the distribution and consumption of the natural gas,
- maintaining the manufacturing capabilities,
- organising the distribution of the vitally important products or goods and their selling using extraordinary regulation measures,
- establishing offices for issuing distribution certificates,
- organising the healthcare aid,
- organising the traffic,
- organising the building and reconstruction activities,
- organising the veterinary care,
- organising the welfare system,
- creating the state material reserves and managing them,
- solving the situation when there is shortage of fuels,
- the reduced educational process,
- providing the air time,
- protecting the cultural heritage,
- protecting the objects of extraordinary importance and other important objects,
- carrying out the bank services connected with ensuring the financial means,
- organising the post services,
- the organisation of providing the electronic communication networks and services,
- organising the distribution of fuels.

As it has been mentioned in the introduction, the priority of the security is (except for other things) to protect life and help the citizens during the state of emergency. The Ministry of Labour, Social Affairs and Family of the Slovak Republic in collaboration with the corresponding EM subjects both during the state of security and emergencies prepares and fulfils the specific EM measures which help the citizens affected by a crisis situation. This measure is called the organisation of the social welfare. The objective of this measure is to assess the social situation of the affected people as soon as possible and at the place of the crisis situation, i.e. if the person is, e.g.:
• in the state of material deprivation and receives the social assistance benefits and allowance to social assistance benefits,
• a severely disabled person,
• a single parent who takes care about an unprovided child,
• a person who has the right for the old-age pension (who reached the age for this benefit),
• an underage person (he/she is solved primarily, mostly immediately after a crisis phenomenon),
• if the person’s property is damaged (especially his/her dwelling).

Subsequently according to the social situation of the citizen the bodies have the task to realise the social welfare (Methodological Guideline No. 16053/20104) as follows:
• the measures for the insured person and recipients of the benefits,
• the measures for the recipients of the social assistance benefits,
• the measures for inhabitants relying on social assistance,
• the social and legal protection of children and social guardianship,
• the psychosocial aid,
• solving the unemployment,
• solving the issues in collaboration with the district office for determining the duty to work,
• working out materials for providing subsidies for the humanitarian assistance,
• the one-off financial assistance.

The Ministry of Labour, Social Affairs and Family of the Slovak Republic activates and creates the Centre of Concentrated Social Welfare (CCSW) for ensuring this comprehensive social assistance. The CCSW is a place of concentrated activities of institutions providing the social welfare during the crisis situations. The decisive role is a concentrated, fast and proactive assistance for the affected citizens and ensuring the social stability. The CCSW is the basic element for solving the social welfare during the crisis situation which is established in the affected regions as close as possible to the hit people. The determined subjects working in the framework of the CCSW organise their activities in such a way that the people hit by the consequences of the crisis situation can receive all relevant things resulting from the law within 30 days from the first contact with them.

The Ministry of Labour, Social Affairs and Family of the Slovak Republic, the Centre of Labour, Social Affairs and Family, the labour, social affairs and family offices, the National Inspectorate of Labour and inspectorates of labour, Social Insurance Company, Institute for Working Rehabilitation of Disabled Citizens, Institute for Labour Recovery of Citizens, Rehabilitation Centre for Blind and Partially Sighted People, regional territorial units, towns and villages, legal entities and self-employed people and NGOs dealing with activities in the area of social welfare (Methodological Guideline No. 16053/2014) belong to the subjects participating in the CCSW activities.

After activating the CCSW the obligation of the labour, social affairs and family offices, the affiliations of the Social Insurance Company, the National Inspectorate of Labour and the regional territorial unit and other institutions have to provide employees for its needs according to their territorial scope. After activating the CCSW the municipality provides space for its activities free of charge and during the crisis situation the natural people are obliged to submit to the social welfare organisation.

The possibility to establish the CCSW is a relatively new measure in the framework of the social welfare system for the citizens’ needs during crisis situations. Its effective work depends on the preparedness of the competent employees as well as on the quality of the crisis plans. Several exercises have been carried out for verifying the functionality and preparedness of the CCSW. In the framework of them the CCSW activities were trained and subsequently adapted or adjusted for the needs of practice through identifying the problems. The Table 1 summarises and briefly describes the realised exercises into which the CCSW were also implemented.

The CCSW is activated during a crisis situation after fulfilling one of the following criteria for activating (Methodological Guideline No. 16053/2014):
• when an event develops which results in more than 10 injured or affected people out of whom minimally three are in a critical state,
• the evacuation of more than 50 people from the hit area taking more than 48 hours,
• the development of social conflicts and unrests due to long unemployment, social exclusion, national, racial, religious, opinion and another type of intolerance,
The Welfare System as a Part of the Economic …

Table 1. Exercises of the Ministry of Labour, Social Affairs and Family of the Slovak Republic (MLSAF) and created CCSWs – an overview.

<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Exercise</th>
<th>Character</th>
<th>Training Institution</th>
<th>Number of Participating People</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Exercise 2012</td>
<td>Simulated accident of a nuclear power station</td>
<td>Centre of LSAF, National Inspectorate of Labour, Inspectorate of Labour Nitra, LSAF Office Nitra, Trnava, Dunajská Streda, Senica, Social Insurance Company and its affiliations in the region</td>
<td>4,800</td>
</tr>
<tr>
<td>2</td>
<td>Exercise 2013</td>
<td>Two-level exercise</td>
<td>Centre of LSAF, LSAF offices in Poprad, Kežmarok, Stará Lúbovňa, CCSW Svit, Batizovec, Spišská Belá, Spišská Stará Ves, Stará Lúbovňa, Plaveč</td>
<td>900</td>
</tr>
<tr>
<td>3</td>
<td>Exercise 2014</td>
<td>Two-level exercise</td>
<td>Centre of LSAF, LSAF offices in Námestovo, Dolný Kubín, Ružomberok CCSW Zákamenné, Bobrov, Pribiš, Žaškov, Sliače, Komjatná</td>
<td>900</td>
</tr>
<tr>
<td>4</td>
<td>Exercise 2015</td>
<td>Two-level exercise</td>
<td>Centre of LSAF, LSAF offices in Dunajská Streda, Komárno a Nové Zámky CCSW Orechová Potôň, Dolný Štál, Mojzesovo, Dvory nad Žitavou, Švätý Peter and Kameničná</td>
<td>900</td>
</tr>
<tr>
<td>5</td>
<td>Exercise 2016</td>
<td>Two-level exercise</td>
<td>Centre of LSAF, LSAF offices in Senica, Malacky, Pezinok, Social Insurance Company and its affiliations, Slovak Red Cross, CCSW Senica, Čaštikov, Veľké Leváre, Jakubov, Dubová, Švätý Jur</td>
<td>1,600</td>
</tr>
<tr>
<td>6</td>
<td>Exercise 2016</td>
<td>Two-level exercise</td>
<td>Centre of LSAF, LSAF offices in Brezno, Revúca, Rožňava, , Social Insurance Company and its affiliations, Slovak Red Cross, CCSW Betliar, Krášinohorské Podhradie, Mokrá Lúka, Hronec, Podbrezová</td>
<td>1,600</td>
</tr>
</tbody>
</table>

- the mass redundancies of more than 50 people when failing to keep the legal standards and procedures.

These criteria have been fulfilled during the last decade several times after developing various emergencies or crisis situations. During the process of their solution the CCSWs were activated and various activities connected with the social welfare of the affected citizens were implemented. The table 2 shows examples during which the CCSW was activated, including the description of the emergency and consequences it caused.

One of the primary requirements of the current crisis managers for solving the aforementioned situations (but also others) is to have an access to the actual data from any place (as mentioned before the CCSWs are field workplaces) and the possibility to exchange the information between the involved subjects quickly to ensure adequate help for the affected inhabitants in the shortest possible time.


Table 2 Help for people affected by an emergency.

<table>
<thead>
<tr>
<th>Sequence Number</th>
<th>Year of the Emergency</th>
<th>Emergency</th>
<th>Consequences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2009</td>
<td>Accident of the bus in Polomka</td>
<td>12 dead, several injured</td>
</tr>
<tr>
<td>2</td>
<td>2009</td>
<td>Explosion in the coal mine Handlová</td>
<td>19 dead</td>
</tr>
<tr>
<td>3</td>
<td>2010</td>
<td>Floods – Košice and Prešov regions</td>
<td>Evacuation of citizens</td>
</tr>
<tr>
<td>4</td>
<td>2010</td>
<td>Tragic event (shooting) in Devinska Nová Ves</td>
<td>8 dead, 13 injured</td>
</tr>
<tr>
<td>5</td>
<td>2011</td>
<td>Flood in village Malčice</td>
<td>Long-term evacuation of 750 people, including 150 children</td>
</tr>
<tr>
<td>6</td>
<td>2012</td>
<td>Extreme frosts in January and February</td>
<td>Tens of villages were hit (around 20,000 people)</td>
</tr>
<tr>
<td>7</td>
<td>2012</td>
<td>Fire of block of flats in Bačkov</td>
<td>92 affected and evacuated people</td>
</tr>
<tr>
<td>8</td>
<td>2013</td>
<td>Bridge built in the framework of the highway near the village Kurimany</td>
<td>4 dead, 14 injured</td>
</tr>
<tr>
<td>9</td>
<td>2014</td>
<td>Mass redundancies in Veľký Krtíš</td>
<td>289 fired people</td>
</tr>
<tr>
<td>10</td>
<td>2014</td>
<td>Tragedy of the bus with students near Červeník</td>
<td>4 dead, 28 injured</td>
</tr>
<tr>
<td>11</td>
<td>2015</td>
<td>Fire in the village Malčov</td>
<td>19 dwellings burnt, 119 people without dwellings, including 59 children</td>
</tr>
<tr>
<td>12</td>
<td>2017</td>
<td>Fire in the village Krivany</td>
<td>7 flats hit, 41 people were affected, including 25 children</td>
</tr>
</tbody>
</table>

At the same time the solution of such situations requires a comprehensive planning of tasks, resources and procedures in all spheres of the economic and non-economic superstructure of the state (also the social welfare), the preparation of the involved subjects in the state of security and an effective way of managing and coordinating their activities during the crisis situation. To support the fulfilment of these requirements the EM system utilises the centralised unified information system of economic mobilisation - UIS EM – and its specific application programme EPSIS® JISHM (furthermore only EPSIS). The employees of the Crisis Management Department worked out the technical and operating requirements in the process of procuring this information system (based on the assignment of the Ministry of Economy of the Slovak Republic).

4. UNIFIED INFORMATION SYSTEM OF ECONOMIC MOBILISATION

The specific programme EPSIS is a supporting programme for the crisis management of the EM subjects. Some of them are also bodies of the crisis management. It serves for making decisions of the crisis management bodies during preparation for solutions as well as during the solution of a crisis situation itself and reducing the impacts of a crisis situation. The information system is only one aid which is to make the crisis manager’s operation during making decisions for coping with the crisis situation or solving the crisis situation easier. During the state of security, the programme EPSIS is used for planning the realisation of the EM measures and for collecting data about the necessary resources (about the staff, material, energy, transportation, etc.) as well as for collecting data about the subjects and objects that can be used for solving the crisis situation.

The basic advantage of the programme EPSIS and the whole centralised UIS EM is that:
- it operates on-line through the Internet (following, processing and updating the data is carried out in real time at various management levels),
- the data can be utilised directly in the field (the lap top and mobile connection are necessary),
- the control of the programme EPSIS is simple through a few icons and functions, the instructions are available,
- the system offers a better possibility of recording the users and checking their entrance to the system,
- making the data accessible among the EM subjects is realised on the sector and interdisciplinary levels through adjusted access authorisation,
• the EM subjects can be informed through SMS and e-mail messages, bulk SMS in selected areas,
• it can be continuously developed (flexibility), and the users need not upgrade it through an installation,
• it can utilise data from other information systems and to update this data in adjusted intervals,
• it is suitable for creating documents and inserting external files,
• the data can be linked with map materials and export it to your local PC (see the figure 1),
• it is possible to utilise the available code lists and registers for a more effective operation with the data and information,
• the data can be utilised also for other purposes than the economic mobilisation in compliance with the valid legal regulations.

The Ministry of Economy of the Slovak Republic creates a basic model composed of general modules which can be extended by specific modules based on the requirements of other EM subjects. They submit their requirements regarding to realising specific EM measures and it requests to include specific functions enabling to realise the given measures to the system. E.g. the Ministry of Labour, Social Affairs and Family of the Slovak Republic and cooperating EM subjects need such

5. CONCLUSION

The need to support making decisions by information technologies is nowadays an inseparable part of the decision-making process. EPSIS does not only replace the common information systems utilised by the individual EM subjects for solving their specific tasks and everyday administration activities, but it also enables coordinating activities and management for solving the crisis situations from the point of view of the central body (or a supervisory body – e.g. Centre of Labour, Social Affairs and Family) and executive subjects can (in real time) require completing the personal and material resources for carrying out the EM measures. In the framework of the social welfare they are e.g. completing the technical means for the CCSW operation, completing the human capacity necessary for settling the citizens’ requirements, etc.

The University of Žilina’s place in the framework of the Slovak citizens’ social welfare is especially its active participation in the crisis management exercises where the university representative, namely the representatives of the Faculty of Security Engineering, play the role of referees. They supervise the exercises from the professional viewpoint and provide the participants with feedback in the form of recommendations for more effective management of the social welfare of the affected citizens and according to the exercise orientation also other areas. The subsequent collaboration can help implement the ideas to the methodological instructions for establishing, operating and managing the CCSWs. Also the programme EPSIS is similarly modified and is completed by suitable modules, functionalities and elements. Their goal is to solve the social situation and on the other hand to achieve the required performance of the affected citizens, i.e. to help them in their social situation as quickly as possible and in a suitable form. For details and references see [7] and [8].
ACKNOWLEDGEMENTS

This work was jointly supported by the Slovak Research and Development Agency under the contract No. SK-CN-2017-0023.

The views expressed, however, are solely those of the authors and not necessarily those of the institutions with which they are affiliated or of their funding sources. The authors are solely responsible for any errors or omissions.

The anonymous reviewers are appreciated for their constructive comments and valuable suggestions to improve the quality of the paper.

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