SUMMARY

The basis of the author's considerations on the issue of the title: Safety of persons with physical disabilities under conditions of forced evacuation, lies in personal experience gained during the Covid-19 pandemic, and resulting from the necessity of making varied decisions as the voivode of the Wielkopolska region.

On the theoretical side, the aspects studied in this regard are embedded in a transdisciplinary reference to security issues. They are located in the discipline of security science and correspond with the newly revealed challenges that accompany health security. In the latter sphere, the dissertation pays special attention to its contemporary positioning and attributes resulting from a number of properties of personal safety features of a person with limited mobility.

In utilitarian terms, health risk factors were recognized, a catalog of needs in people with impaired mobility functions was established, and ways to manage their safety were identified. All this together was linked to the established types of hazards and the resulting evacuation risks affecting the disabled. A conclusion was drawn, justified by the results of the research, that under conditions of forced evacuation, the necessary solutions are lacking for such people.

Based on such foundations, the author actively joined the work of the scientific team functioning as a part of the multi-module Scientific and Research Project of Calisia University – Kalisz, Poland entitled Organization of the safety of patients with limited mobility. He linked the research activities carried out in the dissertation with them and thus contributed to the filing of the patent application with the number P.440151 for a patient transport bed. Then he caused the filing of another, with the number P.441084, solving the problem of adapting standard beds for evacuating the disabled.

As such, the structure of the dissertation includes theoretical and empirical parts. It consists of an introduction, six chapters, a conclusion, a bibliography, a list of figures, a list of tables, a list of charts and appendices.

In the first chapter, entitled Methodological basis of the research, the aspects justifying the choice of the subject and the purpose of the scientific research were selected. The research

problems and hypotheses are presented. The methods, techniques and research tools used were presented, and a presentation of the research process was made.

The main research problem was come down to the question: what changes should be implemented in the safety organization of people with physical disabilities so that they are successfully evacuated despite the existing facility challenges and the typical consequences for this process?

To the adopted purpose of the dissertation and the formulated research problems, based on the state of knowledge, analysis of the literature and projected changes, the main hypothesis was then formulated with the content: The personal nature of the challenges of modern security causes an increasingly serious focus on the implementation of various tasks associated with health issues. Such tasks will be carried out in conditions of diverse threats, increasing the risk of forced evacuation, including - the need to move people with disabilities. Hence, it should be assumed that the organizational and logistical complexity of evacuation of people with limited mobility is so great that this issue should be reflected in the concept of support for people with mobility impairments. In selected aspects, such a concept should be combined with scientifically sound patent design and implementation, which should significantly improve the safety of people with disabilities, the effectiveness of evacuation of people and the elimination of hitherto unacceptable conditions.

The second chapter was titled Fundamental trends in the contemporary understanding of security. It referred to the essence of security, associated categories and the complex positioning of health security.

The third chapter, entitled The personal nature of security challenges and threats, focused on the characteristics and research positioning of the issue of human personal security. The transformations taking place in this regard, the revealed needs and the resulting objective and subjective diagnosis of the state of security were distinguished.

The fourth chapter is devoted to the highlighted threats to the safety of people with mobility impairments. It presents the health risk factors and consequences of physical inactivity of people with impaired mobility functions. The social and personal acceleration of threats to the safety of physically dysfunctional people is described. Deficiencies in meeting the needs of mobility-impaired people are considered, and ways to manage the safety of people with impaired mobility functions are examined.

The fifth chapter is titled Evacuation risks and positioning of persons with disabilities. The characteristics of the hazards involved and the evacuation risks present at the time were made.

The results of research on evacuation were linked to a view through the prism of legal requirements, the behavior of functional persons and the effectiveness of the solutions used. All this together was linked to the identified challenges of object nature and the frequent consequences of this in the implemented evacuation process. These considerations were combined with the content on the forced movement of people with disabilities, which is leading for the whole of the considerations.

The final, sixth chapter of the dissertation presents the author's concept of support for people with motor impotence. The assumptions made there were adequately justified by pointing out the organizational and logistical complexity of evacuating people with disabilities and the solutions used so far in this regard. Then reference was made to the design and adaptation assumptions of the bed allowing quick evacuation of people with mobility limitations and related modification and improvement proposals.

All the chapters from the second to the sixth ended with selected and then synthetically developed conclusions.

The Conclusion proves that the main problem posed by the author has been solved and the adopted hypothesis has been positively verified. It summarizes all the highlighted issues and presents a conclusion indicating the prospects for new research areas.