



**STRATEGY OF THE POLISH PLATFORM FOR HOMELAND  
SECURITY FOR THE YEARS 2015-2020**

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## I. INTRODUCTION

Public security is a precondition for proper economic, cultural, and intellectual development of any society. Unfortunately, it cannot be taken for granted and no society can benefit from it forever. Public security can be described as a continuous process of building the society's attitudes, legal solutions, competences of law enforcement agencies and the judiciary, and technological tools for effective response and counteractions to old and new threats to public security.

The most important criminal threats that are currently faced by Poland and Europe are organized crime and terrorism, in particular in areas related to cyber threats and security of critical infrastructure<sup>1</sup>.

The aforementioned threats constitute serious challenges to the society, and in order to ensure effectiveness of the institutions that are responsible for security, due to the size, complexity, and nature of the threats, it is necessary to use, to a greater extent than ever, advanced technological tools, analytical systems, and decision-making support systems, while ensuring compliance with legal norms and civil liberties. Effective development of technologies aimed to enhance the level of security of a modern society is not possible without effective cooperation of all stakeholders: the law enforcement agencies, the judiciary, the academic institutions, the industry, and the society.

The Polish Platform for Homeland Security (PPBW) was established in 2005 as a forum for dialog between the end users, the research and development organizations, and the administration responsible for financing of research. With time, the PPBW has also become a platform for formation of consortia with the aim to develop dedicated technological and IT solutions to support the operations of entities responsible for public security. The PPBW is also actively involved in legislative work aimed to develop appropriate laws that enable implementation of modern technologies developed on the research and development projects.

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<sup>1</sup>TE-SAT 2014, European Union Terrorism Situation and Trend Report 2014, Europol; The Internet Organised Crime Threat Assessment, 2014, Europol; EU Serious and Organised Crime Threat Assessment, 2013, Europol

Moreover, by providing consulting and educational services, the PPBW supports the process of building public trust in the new security technologies.

In the 11 years of existence of the Polish Platform for Homeland Security, we have observed numerous positive changes in the approach to implementation of research and development projects in the area of security of the state and its citizens. Mode effective mechanisms of cooperation between representatives of scientific and scientific-industrial consortia and the beneficiaries of the works have been developed. Procedures have been elaborated for preparation of research areas and topics of projects in the security sector, including concepts of sectoral and strategic programs. The models and mechanisms of financing of research have changes; also, which is immensely important, the importance has increased of practical use of the results of R&D projects in the daily practice of agencies that are in charge of public security.

The Strategy of the Polish Platform for Homeland Security for the years 2015-2020 was developed in response to the changes in the trends in crime that have been observed and with reference to the current research and development environment in this area. The purpose of the Strategy was to describe the directions the PPBW will take in its activities, by identifying the strategic objectives and the tools to achieve them, and by recommending the financing mechanisms.

In order that the outcomes of the works conducted in the framework of the PPBW could fully meet the expectations of the institutions for which the Platform was established, the Strategy was elaborated in cooperation with agencies and institutions responsible for national security and the security of citizen, namely the Internal Security Agency, the Intelligence Agency, the National Security Bureau, the Government Protection Bureau, the Central Anti-Corruption Bureau, the State Fire Service, the Police, the Government Security Center, the Customs Service, the Military Counterintelligence Service, the Prison Service, the Border Guard, the Military Police, and the Scientific-Technical Advisory Board to the Minister of Interior.

## **II. THE MISSION OF THE POLISH PLATFORM FOR HOMELAND SECURITY**

**The mission of the PPBW is to improve the level of public security by supporting agencies and institutions responsible for security and legal order in Poland in their work on dedicated innovative technological, organizational, and legal solutions.**

## **III. ADVISORY BOARD OF THE PPBW**

As a part of a new formula for the activity of the Polish Platform for Homeland Security, an Advisory Board has been established. Its members are:

- leaders of agencies and institutions responsible for the security of the state and its citizens;
- authorities of universities and research institutes that are members of the PPBW;
- persons who actively support the development of Polish science, central, local, and regional government administration, and non-governmental organizations whose knowledge and competences are important for the PPBW.

The role of the Advisory Board is to evaluate and advise on actions performed by the PPBW, including in particular its strategic undertakings.

#### IV. MAIN OBJECTIVES OF THE PPBW FOR THE YEARS 2015-2020

Based on an analysis of the global, European, and domestic trends in the key threats to public security, on an analysis of the PPBW's current experience, on the available resources, and on the results of the process of consultation with agencies and institutions responsible for security, three main objectives of the Polish Platform for Homeland Security were defined for the years 2015-2020:

##### **Objective 1: To develop technologies and legal and organizational solutions in the area of internal security**

In the current period of fast development of information and telecommunication technologies, the way of operation of criminal and terrorist groups is also subject to change. In order for agencies and institutions responsible for public security to be effective in their operations, they must be continuously equipped with tools and technologies that will enable them to detect and counter criminal actions, to prosecute perpetrators, and to collect evidence required in court proceedings.

Moreover, work must be conducted on developing appropriate legal and organizational solutions that are the necessary condition for the use of new technologies by their final users. Such legal and organizational solutions must be developed in observance of human rights and civil freedoms.

The results of scientific and development work in the area of internal security that are achieved by Polish and European scientists constitute an important element that supplements the offer of commercial entities and can sometimes provide an alternative equipment for law enforcement agencies.

## **Measures that contribute to the achievement of objective no. 1**

**Measure 1.1. Ongoing effective analysis and diagnosis of needs of agencies responsible for internal security and administration of justice in the context of observed social challenges.**

The PPBW will conduct ongoing analysis of the needs of agencies and institutions with regard to the expected directions of R&D works in the area of internal security. The results of such an analysis will constitute a kind of a “road sign” for scientists as to the types of R&D works in the area of security that are needed. Only such cooperation will enable equipping the aforementioned agencies and institutions with tools and solutions that are needed and will be effectively utilized.

### **Tools to be used in the performance of measure 1.1.**

**1.1.1.** Organization of consultation meetings, workshops, and conferences that will enable representatives of the Ministry of Interior and the Ministry of Justice, as well as scientists and representatives of the industry to have constructive discussions and to share their thoughts, experiences, and knowledge related to R&D activities in the area of security. Such meetings will also be an excellent platform for integration of the communities of final users and scientists.

**1.1.2.** An analysis of documents and specialized papers that will enable monitoring the domestic and European trends related to threats and methods to ensure security. The analysis will cover both expectations of the public toward the agencies and institutions responsible for public security, as well as the capacity of law enforcement agencies to perform their tasks, also in the context of current laws that govern the operational capacity of law enforcement agencies.

**1.1.3.** Individual consultations and work with experts in the area of internal security.

**1.1.4.** Participation of representatives of the PPBW in advisory and opinion-forming bodies, which will contribute to a fuller monitoring and a real influence on the R&D works in the area of security.

**1.1.5.** Analyzing the needs of agencies and institutions with regard to the expected directions of R&D works in the area of internal security. This document will be prepared in close cooperation with the agencies and institutions responsible for the security of the state and in consultation with the Advisory Board of the PPBW. The plan is to update it on a regular basis, depending on the needs and the monitored changes, but once a year as a minimum. On this basis, conclusions and recommendations will be formulated (including recommended research and development topics in the area of security) for the institutions that finance R&D works, which will supplement the actions taken in this regard by law enforcement agencies and other entities responsible for internal security.

***Measure 1.2. Participation in research and development work in the area of internal security***

**Tools to be used in the performance of measure 1.2.**

**1.2.1.** Monitoring of available sources to finance R&D activities aimed to enhance security, in particular funding by the National Center for Research and Development - area of security and defense, the EU programs, including “Horizon 2020,” the 6 national operational programs (Infrastructure and Environment; Smart Growth; Digital Poland; Knowledge, Education, and Development; Eastern Poland; and Technical Assistance), and regional operational programs.

**1.2.2.** Membership in consortia performing R&D activities in the area of security, which will enable direct influence on correct performance of projects aimed most of all to achieve results that are useful for individual end users. The research and development projects will include tasks related in particular to analyses of legal aspects, collection and elaboration of operational requirements, and popularization of knowledge and results.

**1.2.3.** Support of participation of the scientific entities who are members of the PPBW in scientific-industrial consortia, preparation of application, and performance of R&D projects in the area of security by: informing about ongoing competitions; supporting communication with

representatives of final users (organization of meetings and conferences); sharing organizational and technical experience of the PPBW in the area of proper performance of R&D projects in the area of security.

**Measure 1.3. Supporting the process of implementation of the results of research and development works in agencies and institutions responsible for internal security and in the judiciary**

One of the most important conclusions from the meetings and conferences organized by the Polish Platform for Homeland Security is that the critical point in the performance of R&D works in the area of internal security is the implementation and practical use of the results of such works.

What has been observed is lack of procedures for implementation and maintenance of the results of R&D works in agencies and institutions responsible for security, as well as lack of regulations governing the matter of intellectual property rights associated with the processes of implementation and maintenance of selected technologies.

**Tools to be used in the performance of measure 1.3.**

**1.3.1.** Elaboration of a concept of implementation of R&D project results at the stage of preparation of the project application, which will make it possible to reorient the needs (financial, infrastructural, and legal-organizational) related to implementation of the final results and to analyze the risk and the possible threats associated with this process.

**1.3.2.** Initiation of and involvement in actions aimed to regulate the issue of intellectual property rights related to the effects of R&D projects in the area of security.

**1.3.3.** Elaboration of a concept of maintenance of results of projects after the completion of the research and development period.

**1.3.4.** Building relations with institutions of the business environment because businesses have become important partners by becoming actively involved in R&D works in the area of security.

The need to cooperate with business entities is established in international documents, such as the Lisbon Strategy, which proposes the need to build knowledge based economies, and the Europe 2020 Strategy, which is a continuation of the Lisbon Strategy, as well as national regulations specified, among others, in rules of competitions in the area of security and defense announced by the National Center for Research and Development.

## **Objective 2: Education of the public on matters related to broadly defined security, with particular focus on young persons and students**

Security should be thought of not only in the context of effective and well equipped law enforcement agencies and public security institutions, but also in the context of attitudes of individuals and the entire society that has appropriate knowledge and can respond in a proper way to dangerous situations. Thus, it is necessary to constantly improve the public's level of knowledge in the area of security and the ability to take specific actions in dangerous situations.

The Polish Platform for Homeland Security will address its educational and preventive activities most of all to children, young persons, and undergraduate students. This will lead to an improved awareness of the existing threats and to attitudes and behavior that enables appropriate response.

### **Measures that contribute to the achievement of objective no. 2**

#### **Measure 2.1. Supporting public initiatives aimed to strengthen defense capabilities**

On 20-21 April 2015, the Ministry of National Defense organized the first nationwide Congress of Defense-Supporting Organizations and Uniformed Classes whose objective was to organize a debate on the ways to increase the involvement of citizens in activities related to national defense and civil defense, both during wartime and during peace: in crisis situations, such as natural disasters. During the Congress, the Federation of Defense-Supporting Organizations was established.

The outcome of the Congress is the statement that it is necessary to elaborate nationwide concepts and long-term educational, information, and prevention activities that will focus on improving the competences of the entire society in the area of security and defense, in particular those addressed to defense-supporting organizations.

The Polish Platform for Homeland Defense will take part in this effort.

#### **Tools to be used in the performance of measure 2.1.**

**2.1.1.** Organizational and essential support to the Federation of Defense-Supporting Organizations.

**2.1.2.** Monitoring of available sources to finance activities related to supporting of public defense initiatives, in particular funds from the National Center for Research and Development - the area of security and defense, EU programs, including "Horizon 2020," 4 national operational programs (Digital Poland; Eastern Poland; Knowledge, Education, and Development; and Technical Assistance), and 16 regional operational programs.

**Measure 2.2.** Educational and preventive undertakings aimed to counter violence and cyber crime among children and young persons

Due to the fast development of telecommunication technologies, including access of children and young persons to the Internet, a number of new threats related to cyber crime arose.

In Poland, the problem of cyber violence, i.e. crime effected using the Internet and telecommunication tools (text messages, email, discussion forums, social networks, chat lines) is still a new phenomenon, but it is growing fast. Cyber violence is particularly dangerous as it affects children, who are less immune to it than adults and who nowadays use the latest telecommunication devices since the first years of their lives. According to the EU Kids Online study, 5% to 13% of children in Poland have experienced contacts with cyber violence<sup>2</sup>.

This is why the Polish Platform for Homeland Security intends to support and conduct educational and preventive actions among students of elementary, junior high, and high schools on the topic of countering cyber violence and cyber crime among children and young people. The actions to be taken will include classes with experts aimed to increase the knowledge on conscious, critical, and safe use of the Internet using the latest technologies, as well as the legal consequences of cyber violence or crimes committed in the cyber space.

**Tools to be used in the performance of measure 2.2.**

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<sup>2</sup>EU Kids Online 2010 study and Cyber Violence 2010 study.

**2.2.1.** Cooperation with departments of preventions and cybercrime of the National Police Headquarters and provincial headquarters in the area of preparation and performance of educational and preventive projects.

The pilot project, titled “Observatory of hazards to young persons,” performed by the PPBW in cooperation with the Provincial Police Headquarters in Poznań, is aimed to identify hazards and provide knowledge needed to start preventive actions to effectively support young persons and protect them against various dangers.

**2.2.2.** Monitoring of available sources of financing of actions related to education and countering of cyber violence and cyber crime among children and young persons.

### **Objective 3: International cooperation, including popularization of good practices**

Research teams that represent Polish universities and scientific institutes should intensify their participation in international projects, in particular in projects performed in the framework of the research programs of the European Union. What is also important is that Polish agencies and institutions responsible for public security should have the knowledge of and the access to solutions developed by international consortiums.

We should also share Poland’s good experiences and promote tried and tested technologies, products, and solutions internationally.

### **Measures that contribute to the achievement of objective no. 3**

**Measure 3.1.** Cooperation in international R&D projects in the area of security

The current research and development activities in the area of security will be expanded to include the international aspect, in order to increase the active participation of the PPBW and its member institutions in the performance of international research projects in the area of security.

### **Tools to be used in the performance of measure 3.1.**

**3.1.1.** Monitoring of available sources of financing of R&D projects aimed to enhance security, in particular funds from the EU program “Horizon 2020” in the area of research and innovations, funds from the European Anti-Fraud Office (OLAF), the Internal Security Fund - Police cooperation, prevention and suppression of crime, and crisis management, and funds from the Polish Development Aid of the Polish Ministry of Foreign Affairs, as well as other available EU programs.

**3.1.2.** *Participation of the PPBW in international consortia that perform R&D projects in the area of security, which will enable creating and developing modern technological, organizational, and legal solutions intended for the security sector.*

In international research and development projects, the PPBW will focus on tasks related to analyses of the legal and ethical aspects, gathering and elaborating of operational requirements from final users, conduct and organization of tests of solutions that were developed, and popularization and promotion of the results.

**3.1.3.** *Support of participation of members of the PPBW in international consortia performing R&D projects in the area of security. For this purpose, the PPBW will conduct information and advisory activities in the area of security of the “Horizon 2020” program and other EU research programs, and will ensure the necessary organizational support, among others in the search of appropriate foreign partners to perform projects.*

**3.1.4.** *An analysis of the synergy between the domestic and international topics of research aimed to promote security, which will enable identification of previous national and European achievements in the area of security, development of new solutions, and creation of further directions of R&D works with international potential that will contribute to an enhanced level of security in Europe. Analyses will also be conducted in the area of dual use technologies.*

## Measure 3.2. Promotion of Polish experiences and good practices

As a part of international activities, the PPBW intends to share Polish good practices and to promote internationally the proven technologies, products, and solutions developed by Polish research teams.

### **Tools to be used in the performance of measure 3.2.**

**3.2.1.** *An analysis of the Polish experiences, including the outcomes of national projects in the area of security with regard to their potential international use.*

An example of such activities is the planned establishment of the “Polish-Ukrainian Anti-Corruption Academy.” In the last ten years, Poland has constantly improved its rating and currently holds the 35th place in the corruption ranking published by Transparency International, which shows that Poland’s long-term systemic anti-corruption policies have been effective. The purpose of the Academy will be to share knowledge about countering corruption, both in Ukraine and in Poland. The initiative is also a response to the government program titled “Anti-Corruption Strategy 2014-2029.”

Moreover, the results of R&D works in the area of security and highly innovative Polish products and solutions that strengthen the international position of Polish scientific institutions will be promoted.

**3.2.2.** *Establishment of formal cooperation with international associations of final users (ENLETS, Europol, Interpol), which will enable sharing experiences related to technologies used by security agencies in other countries, avoiding redundant effort, conducting ongoing consultations on the needs and desirable focus areas for R&D works in the field of security among European representatives of final users.*

**3.2.3.** *Strengthening of the presence of PPBW’s experts in international opinion-forming bodies in order to represent the interests of Polish institutions active in the area of security, to promote current achievements, and to collect and transfer opinions, among others on documentation related to preparation of new competitions in the area of security.*

**3.2.4.** Intensification of the cooperation with Polish embassies and consulates in order to promote Polish experiences and good practices internationally, as well as to promote specific results of R&D projects that may be of particular interest to developing countries.

### **Measure 3.3.** The PPBW as the Thematic Contact Point for European Union Research Programs

The Polish Platform for Homeland Security, in cooperation with the National Contact Point for EU Research Programs, will be the Thematic Contact Point (TCP) in the *secure societies* topic of the “Horizon 2020” Program.

#### **Tools to be used in the performance of measure 3.3.**

**3.3.1.** Building the competences of the PPBW team with regard to the “Horizon 2020” framework program in order to support Polish entities interested in participation in or coordination of international projects by way of professional information and advisory services provided by the PPBW as the Thematic Contact Point.

**3.3.2.** Establishing formal cooperation with Regional Contact Points and the European Commission - DG HOME and DG JUST.

**3.3.3.** Development of a database of entities interested in participation in the “Horizon 2020” program.

A database with information on entities, both individuals and institutions, interested in research and development work in the area of security, to be financed as a part of European Union programs, in particular the “Horizon 2020” program.

All members of the group will receive important information on workshops, training, information meetings, and conferences focusing on EU research programs; current competitions in the *security* area; international consortia looking for partners from Poland and foreign partners interested in joining existing consortia; as well as other important topics, including documentation related to preparation of new competitions that are being consulted with member countries.

**3.2.4.** *Starting cooperation with European technology platforms that are active in the area of internal security in order to inform them about current activities and projects performed in Poland in the area of security and to promote Polish scientific centers performing R&D projects in the area of internal security.*

**A table showing the objectives, actions, and tools for implementation of the Strategy of the PPBW for the years 2015-2020**

<i>Strategic objective</i>	<i>Action</i>	<i>Tools</i>
<i>To develop technologies and legal and organizational solutions in the area of internal security.</i>	Ongoing effective analysis and diagnosis of needs of agencies responsible for public security and administration of justice in the context of observed social challenges.	<ul style="list-style-type: none"> <li>– organization of consultation meetings, workshops, and conferences;</li> <li>– analysis of documents and specialized papers;</li> <li>– individual consultations, work with experts;</li> <li>– participation of representatives of the PPBW in advisory and opinion-forming bodies;</li> <li>– analyzing the needs of agencies and institutions with regard to the expected directions of R&amp;D works in the area of internal security.</li> </ul>
	Participation in research and development work in the area of internal security.	<ul style="list-style-type: none"> <li>– monitoring of available sources of financing of R&amp;D works aimed to enhance security,</li> <li>– membership in consortia performing R&amp;D works in the area of security;</li> <li>– support of participation of PPBW members in scientific-industrial consortia, preparation of applications, and performance of R&amp;D works in the area of security.</li> </ul>
	Supporting the process of implementation of the results of research and development works in agencies and institutions responsible for internal security and in the judiciary.	<ul style="list-style-type: none"> <li>– preparation of concepts of implementation of project results at the stage of preparation of project applications,</li> <li>– initiation of and involvement in actions aimed to regulate the issue of intellectual property rights related to the effects of R&amp;D projects in the area of security,</li> <li>– elaboration of a concept of maintenance of results of projects after the completion of the research and development period,</li> <li>– building relations with institutions active in the business environment.</li> </ul>
<i>Education of the public on matters related to broadly defined security, with particular focus on young persons and students.</i>	Supporting public initiatives aimed to strengthen defense capabilities.	<ul style="list-style-type: none"> <li>– organizational and essential support to the Federation of Defense-Supporting Organizations,</li> <li>– monitoring of available sources of financing of activities related to the support of initiatives aimed to enhance defense capabilities.</li> </ul>
	Educational and preventive undertakings aimed to counter	

	<p>violence and cyber crime among children and young persons.</p>	<ul style="list-style-type: none"> <li>– cooperation with prevention departments and cybercrime departments of the National Police Headquarters and the provincial police headquarters,</li> <li>– monitoring of available sources of financing of activities,</li> </ul>
<p><i>International cooperation, including popularization of good practices.</i></p>	<p>Cooperation in international R&amp;D projects in the area of security.</p>	<ul style="list-style-type: none"> <li>– monitoring of available sources of financing of R&amp;D works aimed to enhance security,</li> <li>– participation of the PPBW in international consortia performing R&amp;D activities in the area of security,</li> <li>– support of participation of members of the PPBW in international consortia performing R&amp;D projects in the area of security,</li> <li>– an analysis of the synergy between the topics of domestic and international research aimed to strengthen security.</li> </ul>
	<p>Promotion of Polish experiences and good practices.</p>	<ul style="list-style-type: none"> <li>– an analysis of the Polish experiences, including the outcomes of national projects in the area of security with regard to their potential international use,</li> <li>– starting formal cooperation with international associations of final users (ENLETS, Europol, Interpol),</li> <li>– strengthening the presence of PPBW’s experts in international opinion-forming bodies,</li> <li>– intensification of cooperation with Polish embassies and consulates.</li> </ul>
	<p>The PPBW as the Thematic Contact Point for European Union Research Programs.</p>	<ul style="list-style-type: none"> <li>– strengthening the competences of the PPBW team with regard to the “Horizon 2020” framework program,</li> <li>– establishing formal cooperation with Regional Contact Points and the European Commission - DG HOME and DG JUST,</li> <li>– development of a database of entities interested in participation in the “Horizon 2020” program,</li> <li>– starting cooperation with European technological platforms active in the area of internal security.</li> </ul>

## V. DUAL USE TECHNOLOGIES

The Polish Platform for Homeland Security will also conduct activities on the development of the so-called dual use technologies, i.e. technologies developed for public security agencies but, once properly modified, can be used, for example, to develop special tools for handicapped persons.

In this area, the PPBW will cooperate with institutions and organizations that act for the benefit of handicapped persons, in particular blind and vision-impaired, deaf and hearing-impaired, and paralyzed persons.

## **VI. LIST OF PROGRAMS AND STRATEGIES THAT THE STRATEGY OF THE PPBW FOR THE YEARS 2015-2020 RESPONDS TO**

1. EUROPE 2020 - a strategy for smart and sustainable development conducive to social inclusion.
2. National development strategy 2020.
3. Effective state strategy 2020.
4. Long-term national development strategy "Poland 2030."
5. National security strategy of the Republic of Poland 2014.
6. Government anti-corruption program for the years 2014-2019.
7. European program of activities in support of road traffic safety.
8. National road traffic safety 2013-2020.
9. Cyber security doctrine of the Republic of Poland 2015.