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IMPROVEMENT OF THE METHODOLOGICAL APPROACH TO ASSESSING THE IMPACT OF PUBLIC GOVERNANCE ON ENSURING THE ECONOMIC SECURITY OF THE STATE

Abstract. Ensuring economic security is a guarantee of independence and autonomy of the state, an integral condition for stability and effective functioning of society. Given the development of the world economy, ensuring the economic security of Ukraine, which is the basis of national security, is becoming an increasingly urgent problem. The formation of the system of economic security of Ukraine takes place in the conditions of economic globalization, which can not but affect the national interests and trends of socio-economic development of the country. It is to address this result that the issue of regulating the role and place of economic security in the general system of public administration mechanisms in Ukraine arises. In today's realities there is a negative trend of increasing influence of external and internal threats on the activities of the state and its management. The modern concept of state development provides a single set of requirements for its institutions: openness of legal and economic systems; transparency of the mechanism of public administration, its economic, legal and information support; protection of economic interests of the state, social protection of life and health of the population, etc. Improving the management of economic processes in the state should begin with the development of a clear procedure and mechanisms for identifying and neutralizing threats in the system, which will contribute to the development of effective economic policy, state control over the socio-economic system, objective prioritization of economic reform, etc. Assessment of the current state of economic regulation has revealed that the main energy of the executive branch is spent not on overcoming the causes that provoke illegitimate phenomena, but on combating their consequences, so it requires the development of effective mechanisms for public administration of economic security.

Keywords: evaluation, public administration, economic security, state, methodological approach.

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УДОСКОНАЛЕННЯ МЕТОДОЛОГІЧНОГО ПІДХОДУ ДО ОЦІНЮВАННЯ ВПЛИВУ ДЕРЖАВНОГО УПРАВЛІННЯ НА ЗАБЕЗПЕЧЕННЯ ЕКОНОМІЧНОЇ БЕЗПЕКИ ДЕРЖАВИ

Анотація. Забезпечення економічної безпеки є гарантією самостійності та незалежності держави, невід'ємною умовою стабільності й ефективного функціонування суспільства. В умовах розвитку світової економіки дедалі нагальнішою проблемою стає забезпечення економічної безпеки України, яка є основою національної безпеки. Формування системи економічної безпеки України відбувається в умовах економічної глобалізації, що не може не позначитися на національних інтересах і тенденціях соціально-економічного розвитку країни. Саме для вирішення такого результату постає питання регламентації визначення ролі та місця економічної безпеки в загальній системі механізмів державного управління в Україні. У реаліях сьогодення спостерігається негативна тенденція зростання впливу зовнішніх і внутрішніх загроз на діяльність держави та управління нею. Сучасна концепція розвитку держави передбачає єдину сукупність вимог до її інституцій: відкритість правової та економічної систем; прозорість механізму державного управління, його економічного, правового та інформаційного забезпечення; захист економічних інтересів держави, соціальний захист життя і здоров'я населення тощо. Удосконалення управління економічними процесами в державі повинно розпочинатися з вироблення чіткого порядку і механізмів ідентифікації та нейтралізації загроз у системі, що сприятиме розробленню ефективної економічної державної політики, встановленню державного контролю за розвитком соціально-економічної системи країни, об'єктивному визначенню пріоритетів у реформуванні економіки тощо. Оцінювання теперішнього стану регулювання економіки дозволило встановити, що основна енергія виконавчої влади витрачається не на подолання причин, які провокують нелегітимні явища, а на боротьбу з їхніми наслідками, тому вимагає розроблення дієвих механізмів державного управління забезпеченням економічної безпеки.

Ключові слова: оцінювання, державне управління, економічна безпека, держава, методологічний підхід.

Формул: 9; рис.: 1; табл.: 6; бібл.: 33.

Introduction. Modern approaches to understanding the essence of economic security and the formation of appropriate mechanisms of public administration do not exhaust the entire complexity of the outlined systemic phenomenon, since they reflect individual aspects of security as a complex phenomenon and therefore can be considered as different types of economic security. A systematic approach first of all assumes not only a critical state of the technical and technological base of the domestic economy, its low innovative activity, but also indicates the need to increase the effectiveness of mechanisms for state management of Ukraine's economic security in the context of innovative development.

Recent research analysis and problem setting. The study of the process of improving the main components of the mechanisms of state management of ensuring the economic security of Ukraine was reflected in the works of such scientists as V. Averyanov, V. Bakumenko, A. Balashov, D. Beznosenko, M. Vasiliev, V. Gornik, V. Gurkovsky, S. Gbur, A. Datsiy, A. Degtyar, A. Degtyar, I. Dragan, A. Kravchenko, N. Kruglov, Yu. Kunev, I. Korostashova, D. Kislov, M. Latynin, A. Lipentsev, I. Rozputenko, V. Mazur, M. Mykolaichuk, A. Polyak, A. Radchenko, E. Romanenko, E. Romat, G. Sytnik, S. Simak, Yu. Ulyanchenko, A. Fedorchak, S. Shaposhnik, A. Yakimenko and others. Paying tribute to the authors of scientific works that studied the state management of ensuring the economic security of Ukraine, it should be noted that the issues of developing a mechanism that would be based on the safety principles of public administration have not been studied deeply enough. The above confirms the relevance of the chosen topic, the formulation of the goal and objectives of the study.

The results of the research. The purpose of our study is to provide proposals for improving the methodological approach to assessing the impact of public administration on ensuring the economic security of the state. At the current stage of development of the Ukrainian economy, for its effective assessment of economic security, the issues of developing a methodological approach to its assessment, development and implementation of effective measures for state regulation become relevant.

The implementation of the process of assessing the impact of public administration on ensuring the economic security of the state should be carried out in the following stages: a) organization of continuous monitoring of the object of research and the formation of a system of informative indicators; b) assessment and analysis of the information received and identification of the reasons that led to deviations from the planned results; c) provision of responsible persons with objective information obtained during monitoring studies; d) forecasting development and recommendations for preventing or reducing negative consequences for the object of research.

We believe that the object of the study is the economic security of the state, which is assessed on the basis of the proposed list of indicators. The subjects of research can be government and administrative bodies, international organizations, institutions of higher education, public organizations and other interested persons.

In our opinion, the main sources of information should be open sources, including information from the State Statistics Service of Ukraine and the results of sociological surveys. It is a transparent approach to the use of information and further disclosure of the results of such an assessment that will contribute to the development of effective measures for state management of ensuring the economic security of our state. In turn, it is the transparency of public administration that will enhance Ukraine's position in international indices and ratings. A methodological approach to assessing the impact of public administration on ensuring the economic security of the state will become an effective means of state policy, provided that the participants in this process receive timely and regular high-quality information.

The proposed methodological approach to assessing the impact of public administration on ensuring the economic security of the state should combine index, integral and expert approaches (*Fig. 1*).

index approach	global competitiveness index, ease of doing business index, international innovation index, economic freedom index, corruption promotion index, human development index, state disability index, prosperity index, environmental performance index, global food security index
integral approach	calculation of the integral indicator for the components of the economic security of the state (industrial security; foreign economic security; investment security; macroeconomic security; financial security)
expert approach	public opinion poll on the main threats to the economic security of the state due to public administration

Source: compiled by the authors.

Fig. Methodological approach to assessing the impact of public administration on ensuring the economic security of the state

The use of the index approach provides for assessing the changes that have occurred in the positions of Ukraine in the indicated international indices and their impact on the economic security of the state. We believe that not only the value of international indices affects the economic development of Ukraine, the level of its economic security, but also the dynamics of the indices, which characterize the direction of development of the state. The first stage of the assessment is to study the results of the international development indices of Ukraine.

Having studied the values of the corresponding indices, we suggested that the index approach be based on information about Ukraine's position in the following international indices: 1) the global competitiveness index; 2) index of ease of doing business; 3) international innovation index; 4) the index of economic freedom; 5) the index of promoting corruption; 6) human development index; 7) index of state incapacity; 8) prosperity index; 9) environmental efficiency index; 10) global food security index.

To establish the importance of each of the international indices in order to determine the impact of public administration on ensuring the economic security of the state, experts from among scientists, civil servants and public figures were invited, who answered the questionnaire, expressing their opinions. To calculate the integral indicator of the influence of public administration on ensuring the economic security of the state according to the results of international indices, each of them was assigned certain weighting factors (*Table 1*).

Table 1

The share of international indices to determine the impact of public administration on ensuring the economic security of the state

№	International index name	Specific gravity, %
1.	global competitiveness index	10
2.	ease of doing business index	10
3.	international innovation index	5
4.	economic freedom index	15
5.	corruption promotion index	15
6.	human development index	5
7.	state incapacity index	15
8.	prosperity index	10
9.	environmental performance index	5
10.	global food security index	10

Source: compiled by the authors.

The integral indicator of the influence of public administration on ensuring the economic security of the state based on the results of international indices is determined by the formula:

$$I_{II} = \sum R_i p_i, \quad (1)$$

where R_i — is the dynamics of the value of the international index compared with the previous year («1» — growth, «0» — decrease or no change), p_i — is the share of the international index.

The maximum value of the indicator for assessing the investment climate according to the results of international ratings is 1. Systematized information on the positioning of Ukraine in international indices is given in *Table 2*.

Table 2

Positioning of Ukraine in international indices for 2013—2018

Index name	Indicators for Ukraine						Number of participating countries	Desired indicator dynamics
	2013.	2014.	2015.	2016.	2017.	2018.		
global competitiveness index	73	84	76	79	85	81	137	decrease
ease of doing business index	137	112	96	83	80	76	190	decrease
international innovation index	71	63	64	56	50	43	127	decrease
economic freedom index	160	160	157	161	166	150	180	decrease
corruption promotion index	144	142	130	131	130	120	180	decrease
human development index	83	81	81	84	84	88	189	decrease
state incapacity index	117	113	84	85	87	90	190	decrease
prosperity index	64	63	70	107	112	111	149	decrease
environmental performance index	95	95	44	44	109	109	180	decrease
global food security index	53	54	64	59	63	63	180	decrease

Source: Arranged by the authors based on [1—8; 16—28].

Based on the information presented above, let us calculate the integral indicator of the influence of government on ensuring the economic security of the state based on the results of international indices (Table 3).

Table 3

Integral indicator of the influence of public administration on ensuring the economic security of the state according to the results of international indices

Index name	Indicators for Ukraine						Specific gravity, %	Changes (yes / no)	Desired indicator dynamics
	2013.	2014.	2015.	2016.	2017.	2018.			
global competitiveness index	73	84	76	79	85	81	0,10	yes	decrease
ease of doing business index	137	112	96	83	80	76	0,10	yes	decrease
international innovation index	71	63	64	56	50	43	0,05	yes	decrease
economic freedom index	160	160	157	161	166	150	0,15	yes	decrease
corruption promotion index	144	142	130	131	130	120	0,15	yes	decrease
human development index	83	81	81	84	84	88	0,05	no	decrease
state incapacity index	117	113	84	85	87	90	0,15	no	decrease
индекс процветания	64	63	70	107	112	111	0,10	yes	decrease
environmental performance index	95	95	44	44	109	109	0,05	no	decrease
global food security index	53	54	64	59	63	63	0,10	no	decrease

Source: Arranged by the authors based on [9—13; 29—33].

As a result of the study, the dynamics of international indices was established compared to the previous year, which made it possible to calculate the integral indicator of the influence of public administration on ensuring the economic security of the state based on the results of international indices:

$$\begin{aligned}
 I_{II}^{2014} &= \sum R_i p_i = 0*0,10+1*0,10+1*0,05+0*0,15+1*0,15+1*0,05+1*0,15+1*0,10+ \\
 &+0*0,05+0*0,10=0,60 \\
 I_{II}^{2015} &= \sum R_i p_i = 1*0,10+1*0,10+0*0,05+1*0,15+1*0,15+0*0,05+1*0,15+0*0,10+ \\
 &+1*0,05+0*0,10=0,70 \\
 I_{II}^{2016} &= \sum R_i p_i = 0*0,10+1*0,10+1*0,05+0*0,15+0*0,15+0*0,05+0*0,15+0*0,10+ \\
 &+0*0,05+1*0,10=0,25 \\
 I_{II}^{2017} &= \sum R_i p_i = 0*0,10+1*0,10+1*0,05+0*0,15+1*0,15+0*0,05+0*0,15+0*0,10+ \\
 &+0*0,05+0*0,10=0,30 \\
 I_{II}^{2018} &= \sum R_i p_i = 1*0,10+1*0,10+1*0,05+1*0,15+1*0,15+0*0,05+0*0,15+1*0,10+ \\
 &+0*0,05+0*0,10=0,65
 \end{aligned}$$

We propose to evaluate the results of the assessment on a scale (*Table 4*).

Table 4

The scale for assessing the results of the integral indicator of the influence of public administration on ensuring the economic security of the state according to the results of international indices

Characterization of results	Indicator value
normal condition	more than 0.7
critical condition	0.3 to 0.7
catastrophic condition	Less than 0.3

Source: personally compiled by the authors.

Thus, the obtained calculation results characterize the influence of public administration on the economic security of Ukraine for a specific period, which is confirmed by the dynamics of international indices.

In terms of their structure and completeness, the obtained values of the integral indicator of the influence of public administration on ensuring the economic security of the state based on the results of international indices are analytical and complex in nature, provide an objective analysis of trends and provide opportunities for the development and assessment of models of influence on economic security, which makes it possible to provide arguments for consideration and decision-making on the development of public administration.

At the second stage, we propose to use an integral approach to assessing the economic security of the state, which provides for the calculation of the integral indicator for each of the components of the economic security of the state and the integral indicator of the influence of government on ensuring the economic security of the state.

Taking as a basis the improved list of components of the economic security of the state, in accordance with the Law of Ukraine «On the National Security of Ukraine» [14], as well as the Order of the Ministry of Economic Development and Trade of Ukraine dated October 29, 2013 № 1277 «On Approval of Methodological Recommendations for the Calculation the level of economic security of Ukraine» [15], we propose to calculate the following indicators for each of the components of the economic security of the state.

These components of the economic security of the state include: 1) industrial safety; 2) foreign economic security; 3) investment security; 4) macroeconomic security; 5) financial security.

We believe that the sources of information for assessing the economic security of the state should be the data of the State Statistics Service, which are published on the official website.

Each of the presented indicators is characterized not only by the actual value, but also compared with the threshold value of the indicator and its desired dynamics.

We propose to evaluate the results of the economic security of the state by calculating the integral indicator for each component of the economic security of the state on the basis of determining trends in the change in the presented indicators.

For each of the components of the economic security of the state, a separate integral indicator is calculated using formulas 2—6.

So, the assessment of industrial safety is carried out according to the formula:

$$I_{BE} = \sum(x_i p_i), \quad (2)$$

where I_{BE} — is an indicator of assessing the state's industrial safety; x_i — dynamics of an indicator characterizing industrial safety; p_i — the specific weight of the indicator in the group of indicators for assessing industrial safety.

Assessment of external economic security is carried out according to the formula:

$$I_{3E} = \sum(x_i p_i), \quad (3)$$

where I_{3B} — is an indicator of assessing the foreign economic security of the state; x_i — dynamics of the indicator characterizing foreign economic security; p_i — the share of the indicator in the group of indicators for assessing external economic security.

Investment security is assessed according to the formula:

$$I_{IB} = \sum(x_i p_i), \tag{4}$$

where I_{IB} — is an indicator of assessing the state’s investment security; x_i — dynamics of an indicator characterizing investment security; p_i — the specific weight of the indicator in the group of indicators for assessing investment security.

Macroeconomic security is assessed using the formula:

$$I_{MB} = \sum(x_i p_i), \tag{5}$$

where I_{MB} — is an indicator of assessing the state’s macroeconomic security; x_i — dynamics of the indicator characterizing macroeconomic security; p_i — the share of the indicator in the group of indicators for assessing macroeconomic security.

Financial security assessment is carried out according to the formula:

$$I_{\Phi B} = \sum(x_i p_i), \tag{6}$$

where $I_{\Phi B}$ — is an indicator of assessing the financial security of the state; x_i — dynamics of an indicator characterizing financial security; p_i — the share of the indicator in the group of indicators for assessing financial security.

We suggest that the calculation of the integral indicator of the influence of public administration on ensuring the economic security of the state (IDUEB) is carried out according to the formula:

$$I_{DUEB} = I_{BB} \cdot q_i + I_{3B} \cdot q_i + I_{IB} \cdot q_i + I_{MB} \cdot q_i + I_{\Phi B} \cdot q_i, \tag{7}$$

where q_i — the share of the component of the economic security of the state among other components.

We propose to evaluate the results of determining the integral indicator of the influence of public administration on ensuring the economic security of the state (IDUEB) on a scale (Table 5).

Table 5

The scale for assessing the results of the integral indicator of the influence of public administration on ensuring economic security

Characterization of results	Indicator value
normal condition	more than 0.7
critical condition	0.3 to 0.7
catastrophic condition	Less than 0.3

Source: personally compiled by the authors.

The results obtained characterize the influence of individual results of public administration on the economic security of the state for the corresponding period.

At the third stage, an expert assessment of public opinion on the impact of the main measures of public administration on ensuring the economic security of the state is carried out.

Based on the list of threats identified by experts, a preliminary public opinion poll is carried out, which allows ranking these threats, depending on their impact on the economic security of the state. In the future, the results obtained are compared with the results of a new survey. We propose to evaluate the change in the results obtained, which will indicate the effectiveness of public administration, or the lack of its effectiveness.

Based on the results of the study of public sentiments on the impact of public administration on the economic security of the state, as a result of which threats were identified that have the greatest impact: 1) a critical state of food security; 2) the emergence of conflicts in the field of interethnic and interfaith relations; 3) dissemination of the cult of violence, cruelty, pornography in the media; 4) a decrease in the level of production and an increase in imports; 5) illegal migration;

6) manifestations of separatism in certain regions of Ukraine; 7) outflow of intellectual capital; 8) increasing the level of the country’s energy dependence; 9) the orientation of the development of the economy and society to European standards without taking into account the peculiarities of the mentality; 10) encroachment on the rights and freedoms of citizens, territorial integrity of Ukraine.

We propose to assess the impact of the main threats from public administration on the economic security of the state using the formula:

$$I_{ZDU} = \sum(x_i p_i), \tag{8}$$

where I_{ZDU} — is an indicator of assessing the state’s industrial safety; x_i — dynamics of the indicator characterizing the influence of the main threats from public administration on the economic security of the state; p_i — the share of an individual threat in the general list of threats.

Results of assessing the impact of the main threats from public administration on the economic security of the state:

$$I_{ZDU} = \sum(x_i p_i) = 0,05 \cdot 1 + 0,01 \cdot 0 + 0,1 \cdot 0 + 0,05 \cdot 1 + 0,05 \cdot 1 + 0,2 \cdot 0 + 0,05 \cdot 1 + 0,1 \cdot 1 + 0,1 \cdot 1 + 0,2 \cdot 0 = 0,4.$$

So, the expert approach allows, based on the results of a public opinion poll, to establish the main threats to the economic security of the state in public administration. The overall value of assessing the impact of public administration on ensuring the economic security of the state combines index, integral and expert approaches.

We propose to determine the indicator of the influence of public administration on ensuring the economic security of the state by the formula

$$FI = 0,35I_{II} + 0,45I_{DUEB} + 0,2I_{3IV}, \tag{9}$$

$$FI = 0,35I_{II} + 0,45I_{DUEB} + 0,2I_{ZDU} = 0,35 \cdot 0,65 + 0,45 \cdot 0,54 + 0,2 \cdot 0,4 = 0,55.$$

We propose to evaluate the results of determining the indicator of the influence of public administration on ensuring the economic security of the state on a scale (*Table 6*).

Table 6

Scale for assessing the results of the indicator of the influence of public administration on ensuring the economic security of the state

Characterization of results	Indicator value
normal condition	more than 0.7
critical condition	0.3 to 0.7
catastrophic condition	Less than 0.3

Source: personally compiled by the authors.

The obtained general calculation results confirm the negative impact of public administration on the economic security of Ukraine in 2018, which is confirmed by the dynamics of the main indicators characterizing the components of economic security.

Conclusions from the conducted research. According to the results of the study, the following results were obtained: 1. The need was established to improve the methodological approach to assessing the impact of public administration on ensuring the economic security of the state. 2. Implementation of the process of assessing the impact of public administration on ensuring the economic security of the state should be carried out in the following stages: organization of continuous monitoring of the object of research and the formation of a system of informative indicators; assessment and analysis of the information received and identification of the reasons that led to deviations from the planned results; providing responsible persons with objective information obtained during monitoring studies; development forecasting and recommendations for preventing or reducing negative consequences for the research object. 3. It has been established that the main sources of information should be open sources, including information from the State Statistics Service of Ukraine and the results of sociological surveys. 4. A methodological approach to assessing the impact of public administration on ensuring the economic security of the state will become an

effective means of state policy, provided that the participants in this process receive timely and regular high-quality information. Thus, the proposed model for assessing the impact of public administration on ensuring the economic security of the state demonstrates the effectiveness of public administration and its relationship with economic security and can be used by both public authorities and the public.

Література

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