

ECONOMIC SECURITY OF ENTERPRISE: GENESIS, SYSTEM, PERFORMANCE AND VALUE

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*Security is a category
immeasurably higher than greatness.*

Armand Jean du Plessis de Richelieu

*True freedom ... is impossible
without economic security
and independence.*

Franklin Roosevelt

Relevance. The author's position is as follows: the economic security of the enterprise is the result of controlled processes of achieving management objectives of economic security, providing entry into a certain extent of its economic freedom within existing objective and subjective limitations. The principal position in the assessment of economic security is to identify not only quantitative traits degree of economic freedom defined by the results of the calculation values of the degree of economic freedom, but also the qualitative features of such measures. Until now, the world science has not found units of economic security. The author managed to partially overcome this problem.

Purpose. The emergence of new skilled knowledge related to the formation of multidisciplinary system management paradigm of economic security, should be at the intersection of different fields, forming a coherent picture of the patterns and relationships of the management processes in the system of economic security, which conditions of functioning have significant objective and subjective limitations.

Results. Conceptualizing Security as a form of entity, based on the postulates of the theory of a gradual process, possible to explain the genesis of the economic security of the enterprise and to clarify the definition of «economic security of the enterprise,» which, in contrast to the most common understanding of how security against threats interpreted as a result of controlled processes to achieve management objectives of the economic security of the company that provides entry of its economic freedom into certain extent within existing objective and subjective limitations.

Conclusions. given that the main purpose of system of the economic security of the enterprise is to achieve its economic freedom, the work has been suggested: the economic enterprise management security is a specific object that belongs to a partially controlled class. Results verify this hypothesis, the requirement for precise manageability term of economic security of enterprise, living conditions and establish its extent.

Keywords: Economic security, Economic freedom, Enterprise, Management, Evaluation of the economic security management effectiveness of the enterprise, Ecoliberty.

The world is not safe. The war for independence in Ukraine is one of the most brutal evidence that national security is closely connected with economic security and economic freedom. Convergence between ladder of security architecture is powerful and growing stronger. The lowest challenges of the environment that cause turbulence of security area are spread worldwide as well as in Ukraine. Conversely, the economic risk of economic subjects of various sectors causes threats and risks for both economic and national security. This raises many questions. What place and what role plays the economic security for security architecture of the enterprise? Is there a relationship between economic freedom and economic security business? How to measure the economic security of the enterprise and can it be managed?

Who still doubts that economic security should be explored? To cite just a few arguments. The world is not safe. Most threats are global and require joint approaches to overcome them. Inconsistencies in the relationship of stakeholders are permanent threat to any business.

Security categories passing during the twentieth century, certain stages of genesis and transformation of suffering, acquired various forms and types, which led to the emergence of new fields of knowledge, including the present one most demanded branches of economic security. An important role in this research is located vertically, which permeates all levels – from global to the level of a person belonging to the economic security of the enterprise. Official documents which contain infor-

mation about the phenomenon of the economic security show methodological recommendations, fundamental theoretical achievements, some of them related to the active development of scientific schools and the emergence of new partitions of Security studies.

Latitude perceptions of safety are quite natural. The more complex and richer ordained object is, the more definitions that describe it. So naturally, the concept of «security» gets into various professions and disciplines, such as philosophy, sociology, law, political science, physics, mathematics, psychology.

From the standpoint of security, Security studies are seen as a set of elements, which inter-relationship causes the integrity of the system. Security of any object always inherents mobility, so in terms of epistemology security category may be considered of characteristic as power news as a result.

Despite this concepts and categories, the Security studies are unstable, and it's meaningful is unfinished. The existence of fundamentally different non-interconnected approaches to understanding of sometimes controversial methods to determine the level of economic security, unfortunately, impedes relevant theoretical foundations of economic security. Within existing approaches the issue of threats addressed to economic security of the enterprise, the formation of its resource support and ultrasound interests of stakeholders are many inconsistencies resulting verification of some theoretical propositions that are extremely complicated sometimes – and sometimes even disorienting.

Currently gained theoretical heritage of Security studies is not enough, because in reality, economic security is a special complex subject that controls species. Treating with a deep respect for the scientific domestic and foreign scientists, we must recognize that the management of the system of economic security is hardly studied either in science or in management or in Security studies. Unfortunately, none of these sciences is unable to solve the issue.

Purposes of article (research problem). The emergence of new skilled knowledge related to the formation of multidisciplinary system management paradigm of economic security, should be at the intersection of different fields, forming a coherent picture of the patterns and relationships of the management processes in the system of economic security, which conditions of functioning have significant objective and subjective limitations.

There is a big problem. In fact, there are many publications on economic security in Ukraine. But judging from the formal features (membership of a particular specialty) – there are some solid work to do. So, actually, many abstracts, papers and theses were written, but in fact it is not a step closer to total economic security of the enterprise. There is no single concept. To give such scientific work that is fundamental.

Belousova I. A. Modernization of economic security system of economic corporate agents through cost management. – Manuscript.

The theses develops from resolving scientific issues of modernization of the economic security system of economic corporate agents through cost management. It substantiates theoretical and methodological framework of economic security system of economic corporate agents, that comprises conceptual framework for the economic security system in transition period of economics, legal and organizational mechanism for economic security system operation, dominant strategies that define economic security system, and how economic security system of economic corporate agents impacts the national security of Ukraine.

The substance of economic security system for corporate economic agents is defined as a balanced set of interrelated elements of internal and external divisions and security services, their functions, organizational structure, economic policy, strategy and tactics, competition principles, and methods that enable economic agents to ensure their interests, to stay effective and competitive, and to resist any kinds of threats.

The impact of economic agents on national security of Ukraine is structured as set of influencing factors.

The thesis suggests a complex model for modernization of economic security system and economic corporate agents through cost management, that is presented as a set of substantial influencing factors, requirements for establishing and major sub-systems and their interrelations. Model was built based on principles of adaptability, optimal parameters, integrity, modularity, functional and structural completeness, cost-efficiency and economic security of the system.

The thesis provides theoretical basis of the necessity to manage deviant behavior in order to ensure the economic security system of companies through cost management, especially transaction costs. It suggests toolset to enhance the economic security system of companies through cost management that includes modern methods.

Shemayeva L. G. Economic safety of the enterprise in the strategic interaction with subjects of an environment. – Manuscript.

The dissertation is devoted to the decision of a scientific problem of maintenance of economic safety of the enterprise on the basis of management of strategic interaction with subjects of an environment taking into account threats and possibilities provided by an environment.

It is proved that on a strategic interval of time it is necessary to direct maintenance of economic safety of the enterprise on maintenance of realisation of its strategic economic interests on the basis of the interdisciplinary approach (with use of theoretical positions of economy, management and psychology), by an establishment of its reflective –

operated productive interaction with subjects of an environment.

Possibility of realisation of administrative influence on development of interaction of the enterprise with subjects of an environment of the system beginnings is proved; the concept and system of principles of maintenance of economic safety of the enterprise on the basis of management of strategic interaction with subjects of an environment is developed. In work has had the further development the maintenance of concepts: «reflective system», «strategic interaction of subjects of managing» and «management of strategic interaction of the enterprise with subjects of an environment» in a context of maintenance of economic safety of the enterprise.

In work it is offered the situationally-subject approach to maintenance of economic safety of the enterprise in interaction with an environment; the method of reflective management by situation development in interaction of the enterprise on the basis of the general use as developed form of a reflexion of subjects (fixing of the main variables of decision-making process), and the fast form of a reflexion (the scheme of realisation of a reflective choice of the subject under the influence of external pressure) is improved. It is carried out cognitive modelling of reflective management by development of a situation which is based on the general use of methods: reflective management and cognitive modelling.

Technological stages of maintenance of economic safety of the enterprise on the basis of management of strategic interaction with subjects of an environment with definition corresponding mathematical and a supply with information are certain. Scientifically-methodical approaches concerning formation of marketing strategy of partner interaction with consumers on the basis of reflective marketing and scientifically-practical recommendations concerning definition and application of tool kit of influence on subjects of interaction (suppliers, power state structures, competitors) with application of reflective management are offered.

Shulga I. P. Formation of a system of the economic security emission of the joint stock companies. – Manuscript.

The dissertation is devoted to a scientific problem, which is in the development of theoretical and methodological foundations of such business emission of the joint stock companies.

In the thesis the author of such contemporary approaches to the formation of such business corporations and the peculiarities of the interaction of elements of the system and its evaluation of the technique that allowed to suggest authors' definition of «the system of economic security emission of joint stock companies» and to specify its elements.

Author has analyzed the peculiarities of the emission of Ukrainian joint stock companies and the state of their economic security by examining their corporate governance and disclosure of their manda-

tory and special information. Based on the analysis of the author's highlights of the main threats to the economic security of emission activities of publicly traded and established their influence on the activity of corporations in modern terms.

Results of the study allowed proposing a methodological approach to the system of economic security emission of joint stock companies, measures to upgrade security systems of company from hostile takeover by improving its corporate governance; model of economic security threats emission of joint-stock company and a methodology to assess the economic system security emission of the joint stock companies.

Gnylytska L. V. Accounting and analytical support for the system of economic security of enterprises. – Manuscript.

The thesis is devoted to the complex solution of theoretical and applied problems of formation of accounting and analytical support of economic security of enterprises on the basis of using systematic approach. In the thesis we have outlined the concept of accounting and analysis as important tools to ensure the functioning of economic security and reveal their essential characteristics in the context of background information of management decisions as to the sustainable business activity and corporate development.

It has been proved that the use of accounting and analytical information as one of the factors of corporate security primarily depends on its reliability. Therefore, the mechanism for managing information risk has been proposed in the thesis, which is based on the implementation of special methods of inspection and protection of information inherent to economic security into the system of accounting.

The current state of approaches and techniques of diagnosing economic security of an enterprise have been structurally assessed and techniques of economic evaluation of the reliability of contractors have been developed, determining the level of the risk of entrepreneurial activity, assessing the state and the level of economic security of an enterprise, which are based on a combination of expert assessment of economic techniques and techniques of special security, which are the most suitable to meet the practical needs of professionals with economic security.

Franchuk V. I. Theoretical and methodological principles of organizing the economic security system of the joint stock companies. – Manuscript.

The dissertation investigates the theoretical and methodological problems of organizing the economic security system of the joint stock companies. The substance of «the joint stock companies economic security» and its external and internal structural components are formulated. The forms and mechanisms of the joint stock companies influence on the national economic security are defined. The

role of corporate relations, corporate economic interests and rights in the system of economic security of the joint stock companies and its structure, forms and types as well are clarified. The substance of «corporate economic interests» and «security interests» are grounded. The nature and content of the concepts of «threat» and «economic risk» are refined and improved and a logical connection between these concepts is defined and substantiated. Systemic forms of threats to the joint stock companies economic security are revealed. A conceptual and methodological approaches to the joint stock companies economic security are formulated.

The content and role of the common features of joint stock company economic security and the general functions of economic security and management are revealed. The role and effectiveness of the main subjects of the joint stock companies economic security are analyzed. The possibility of improving the organization of economic security system of the joint stock companies is revealed. For this purpose conceptual and methodological approach, a model of the joint stock companies economic security of, organizational and methodological mechanisms of security corporate culture degree increasing, including model of specialists on security training and technique of integrated diagnostics of the following: dangers, economic status, system efficiency and security of corporate culture, technique of general index of the joint stock companies economic security estimation are proposed.

Rudnichenko Y. M. Impact of custom regulation subject on the economic security system of the enterprise. – Manuscript.

The approaches to conception of the economic security of the enterprise are investigated. The content and the structure of the economic security system of the enterprise are pointed out and the structure of the external subject of influence is determined. The subject influence of fiscal function implementation of government on the economic security system of the enterprise is determined. The customs office activity as a fiscal institute in Ukraine is pointed out, its genesis is investigated and the regulatory support of the impact on the economic security of the enterprise is analyzed. The model of forecast script of the subjects' impact of customs regulation on the ecological niche of the enterprise is developed. The forecast of the subjects' impact of customs regulation on the ecological niche of FEA subjects in Ukraine is developed. The model of the subjects' impact of customs regulation on the economic security system of the enterprise is developed. The simulation of the subjects' impact of customs regulation on the economic security system of domestic enterprise is developed. The fundamental principles of the adaptation of the economic security system of the enterprise to the subjects' impact of customs regulation are offered, the plan of monitoring is created and set of programs of such adaptation is developed.

Dmytruk Y. V. Influence of reputation of the enterprise on its economic safety. – Manuscript.

Essence is analyzed and interpretation of conceptual reputation of enterprise is specified in a thesis for a candidate's degree. Semantic interpretation of concepts of reputation of enterprise and its economic safety is conducted. Pre-conditions of influence of reputation of enterprise on its economic safety are set. Character and intensity of influence of reputation on economic safety of enterprises of different industries are proved. Modeling representations of reputation of enterprise and its economic safety is created. Dependence between economic safety of enterprise and its reputation is set. Procedures for the estimation of reputation of enterprise and level of its economic safety are created. The quantitative estimation of reputation of enterprise and level of its economic safety is got. Necessary and sufficient conditions for determination of influence of reputation of enterprise on its economic safety are set. Procedure of estimation of influence of reputation of enterprise on its economic safety is developed. The methods of strengthening of influence of reputation of enterprise on its economic safety are defined with using methods of strategic and factor analyses, and method of extrapolation of trend. The quantitative result of influence of reputation of enterprises of motor industry on their economic safety is got. Results of research of determination of influence of reputation of enterprises on their economic safety are approved on the base of motor industry enterprises.

Chorna O. Y. Providing coherence of economic safety management of the integrated industry structures. – Manuscript.

In the thesis the theoretical basis of economic safety management were deepened and developed practical recommendations for providing coherence of economic safety management of the integrated industry structures (IIS).

The features, advantages and disadvantages of the functioning IIS were investigated. It was proved that the original cause of threats to the functioning of the IIS is the lack of coherence of interests and unbalance of resources of actors of the IIS. A semantic analysis of the concepts «economic safety» and «coherence» was conducted. A spatial-temporal graphical interpretation of economic safety of the IIS was substantiated. The definition of the concept «coherence of economic safety management of the IIS» was suggested; the determinants were allocated: interests and resources of actors of the IIS. The sequence of assessment of coherence of economic safety management of the IIS was established. Methods of providing the coherence of economic safety management of the IIS were developed. The tools of coherence of economic safety management of the IIS, which consists of consolidated coherence map of priority interests of actors of the IIS and intra-corporate balance of their resources were created. Organizational support of

providing coherence of economic safety management of the IIS was created.

Prus N. V. Cost planning in the system of economic security of the enterprise. – Manuscript.

Instrumental basis of planning of transaction and transformation costs is improved in the dissertation work. The analysis of generating system attributes of the system of the economic security of the enterprise is conducted, typology of concept «the economic security of the enterprise» is made and determination of the concept of the «system of the economic security of the enterprise» is specified. Investigational intercommunication and influence of costs of enterprise on the system of its economic security in accordance with the resource-functional understanding of providing the economic of the enterprise security are in the forefront. It is set that the result of costs planning must be the creation of a plan which is a subsoil of concordance of enterprise aims and its resource possibilities taking into account the influence of threats of the external environment. In dissertation work, the correlation and regression analysis according to the changes in the level of economic security and change in the quality of planning costs is carried out in order to establish the relationship between quality of costs planning of the enterprise and its level of economic security.

A calculation of the ratio of transaction and transformation costs of the enterprise with a regard to their structural connection is called «the threshold of rationality». The matrix of choice of administrative actions «level of economic security – the threshold of rationality,» the primary purpose of which is the correction of allocation of enterprise resources to ensure a certain level of economic security is developed and tested.

Chorna A. Evaluation of threats of the resource providing in the system of economic security of enterprise. – Manuscript.

The theoretical principles of the system of knowledge about security are deepened by the improvement of evaluation of threats of the resource providing in the system of economic security of enterprise on the base of combination of the protective and resource approaches to the economic security in dissertation.

The evaluation of the resource providing is improved in the system of economic security of enterprise by the selection of components of the resource providing, the most vulnerable to influence threats in current activity of enterprise, setting of the stages of evaluation, clarification of composition of indexes of the resource providing and development of the scale of evaluation of its state. The threats of the resource providing are identified in the system of economic security of enterprise. Procedures of evaluation of threats of the resource providing are worked out in the system of economic security of the enterprise by setting of the stages of monitoring

of threats, forming of their specifications on horizons of activity of the enterprise, choice of indexes and development of scales of evaluation of threats.

Takulov Z. M. Countering the economic security of opportunistic behavior of the subjects of the environment. – Manuscript.

Theoretical basis of the security science by supplementing protective approach against justification of economic security opportunistic behavior of the subjects of the environment. The essence of combating economic security, and the principles explained in this response, response forms according to the identified topologic forms and manifestations of opportunistic behavior of the environment is selected, evaluation criteria against cost designed ways of combating is classified. The term «vulnerability of the economic security to opportunistic behavior of the environment» is introduced. The concept of «economic security» is amended by provisions of insurance companies from the threats posed by opportunistic behavior of business environment. The term «opportunistic behavior» is specified. Information and analytical support to counter economic security of opportunistic behavior improved business environment. Organizational support for combating economic security of opportunistic behavior improved business environment by creating within its security permanent security group with star-shaped network structure.

There are no best works on economic freedom [1, 2].

Summary of the main research. Economic freedom is the fundamental right of every human to control his or her own labor and property. In an economically free society, individuals are free to work, produce, consume, and invest in any way they please. In economically free societies, governments allow labor, capital and goods to move freely, and refrain from coercion or constraint of liberty beyond the extent necessary to protect and maintain liberty itself [3].

Economic freedom brings greater prosperity. The Index of Economic Freedom documents the positive relationship between economic freedom and a variety of positive social and economic goals. The ideals of economic freedom are strongly associated with healthier societies, cleaner environments, greater per capita wealth, human development, democracy, and poverty elimination [4].

Ukraine's economic freedom score is 49.3, making its economy the 155th freest in the 2014 Index. Its score is 3.0 points higher than last year, with notable increases in five of the 10 economic freedoms including business freedom, control of public spending, and monetary freedom. Ukraine is ranked last out of 43 countries in the European, and its overall score is lower than the world average. Over the 20-year history of the Index, Ukraine's economic freedom score has advanced by over 9 points. Score increases in half of the 10 economic freedoms including particular gains in monetary stability and

Table 1

The Index of Economic Freedom of Ukraine*

Index year	Overall score	Property rights	Freedom from corruption	Fiscal freedom	Government spending	Business freedom	Labor freedom	Monetary freedom	Trade freedom	Investment freedom	Financial freedom
2014	49.3	30.0	21.9	79.1	37.5	59.8	49.8	78.7	86.2	20.0	30.0
2013	46.3	30.0	23.0	78.2	29.4	47.6	49.9	71.0	84.4	20.0	30.0
2012	46.1	30.0	24.0	78.2	29.4	46.2	51.2	67.7	84.4	20.0	30.0
2011	45.8	30.0	22.0	77.3	32.9	47.1	50.0	63.2	85.2	20.0	30.0
2010	46.4	30.0	25.0	77.9	41.1	38.7	57.7	61.2	82.6	20.0	30.0
2009	48.8	30.0	27.0	77.0	39.0	40.5	52.4	68.1	84.0	30.0	40.0
2008	51.0	30.0	28.0	79.0	43.0	44.4	53.1	69.9	82.2	30.0	50.0
2007	51.5	30.0	26.0	83.6	53.2	43.6	52.8	68.4	77.2	30.0	50.0
2006	54.4	30.0	22.0	90.2	75.8	43.1	53.2	72.9	77.2	30.0	50.0
2005	55.8	30.0	23.0	83.0	78.6	55.0	55.8	76.2	76.2	30.0	50.0
2004	53.7	30.0	24.0	67.5	77.8	55.0	N/A	74.5	74.4	30.0	50.0
2003	51.1	30.0	21.0	67.1	68.1	55.0	N/A	64.0	74.6	30.0	50.0
2002	48.2	30.0	15.0	66.1	58.9	55.0	N/A	58.2	71.0	50.0	30.0
2001	48.5	30.0	26.0	63.8	49.6	55.0	N/A	62.3	70.0	50.0	30.0
2000	47.8	30.0	28.0	62.3	41.9	55.0	N/A	63.0	70.0	50.0	30.0
1999	43.7	30.0	30.0	63.0	43.0	55.0	N/A	39.3	53.0	50.0	30.0
1998	40.4	30.0	30.0	64.4	51.0	55.0	N/A	0.0	53.0	50.0	30.0
1997	43.5	50.0	30.0	61.1	49.1	55.0	N/A	0.0	66.0	50.0	30.0
1996	40.6	30.0	30.0	57.7	47.1	55.0	N/A	0.0	66.0	50.0	30.0
1995	39.9	30.0	10.0	61.8	47.1	55.0	N/A	0.0	55.0	50.0	50.0

* 2016 Index of Economic Freedom. Retrieved from <http://www.heritage.org/index/explore?view=by-region-country-year>

openness to global trade and more moderate progress in fiscal freedom and the elimination of corruption. Nonetheless, Ukraine's economy remains "repressed." Deeper institutional reforms are critical for the achievement of more broadly based development. The inefficient legal framework remains highly vulnerable to political interference, and corruption further undermines the fragile rule of law [5].

Despite the ongoing war with Russia and considerable economic decline, Ukraine is in top 100 in Doing Business-2015 rating as regards the overall 'ease of doing business', elaborated by the World Bank and International Financial Corporation. Ukraine moved 16 positions up to take the 96th place.

At the same time, despite significant improvement of Ukraine's position, Ukrainian immediate neighbours are still ahead of Ukraine. In particular, Poland has occupied the 32nd place, Bulgaria – 38, Romania – 48, Belarus – 57, Russia – 62, Moldova 63. The leader in the rating is traditionally Singapore. Only data from May 2013 to the 1st of June, 2014 have been considered. Ukraine managed to

improve its position in the rating due to the following factors [6].

Thresholds indicators defined on the basis of expert assessments and indicators of the Eurozone [7].

Taking into consideration the fact that Ukraine is in a state of actual war with Russia, there is an experts' opinion that the current negative economic situation in Ukraine will lead to a significant deterioration of its position during the next year. However, if the government will consistently implement economic reforms, improvement of Ukraine's positions in the world business rankings can be expected [6].

So in general, we see a great freedom for companies on a background of false freedom of the country. The tables 2-3 show the economic instability until the turbulence that is solid economic danger.

Conceptualizing Security as a form of entity, based on the postulates of the theory of a gradual process, possible to explain the genesis of the economic security of the enterprise and to clarify the

Table 2

Dynamics of the main indicators of financial security of types of activities of Ukraine*

The types of activities	2014		2013		2012	
	P & L	Percentage of enterprises that have received profit, %	P & L	Percentage of enterprises that have received profit, %	P & L	Percentage of enterprises that have received profit, %
Total, including:	-258794,2	55,1	-29283	65,5	101885	64,5
agriculture, forestry and fisheries	-982,6	87,9	15147	79,9	26993	78,3
industry	-87731,6	53,4	13698,3	63,3	21353	62,4
construction	-3702,7	52,5	-5126,6	62,3	-71,1	60,5
wholesale and retail trade; repair of motor vehicles and motorcycles	-46799	57,4	-6047,5	67,2	9608	66
transportation, warehousing, postal and courier activities	-8037,5	51,4	834,3	63,1	7524,9	61,8

*This information is calculated using www.ukrstat.gov.ua

Table 3

Dynamics of the main indicators of financial – economic security of Ukraine and their thresholds

Indicators	Thresholds	The actual value	
		2008	2013
Expenditure on R & D work, % of GDP	2	1	1,2
The inflation rate for the year%	5	15	9,7
The volume of domestic debt,% of GDP	Less than 30	2,2	0,2
The amount of external debt,% of GDP	Less than 20	6,8	17,9
Monetization,% of GDP	30	24	29
The state budget deficit,% of GDP	Less than 3	1,2	4,9
The cost of bank loans	Not more than 10% per annum	15,9	11,3
Unemployment rate,%	7.6	6,9	8,1
Nominal wages dollars. USA	550	361,2	364,62
The level of the shadow economy,% of GDP	Less than 30	28	55
Gross fixed capital formation,% of GDP	At least 25	25,7	20
The ratio of the rate of productivity growth and wage, times	min 1	0,95	0,97

definition of “economic security of the enterprise,” which, in contrast to the most common understanding of how security against threats interpreted as a result of controlled processes to achieve management objectives of the economic security of the company that provides entry of its economic freedom into certain extent within existing objective and subjective limitations. Graphical interpretation of the genesis of the economic security of the enterprise presented in Fig. 1.

As you can see from Figure 1, the genesis of economic security of enterprise is presented as three-phase model with showing on each phase the de-

scription and certain detalization of sequence of actions. A distinguishing feature of building structural logic composition of the economic security of the enterprise as the control object is the economic choice-determining role to achieve the main goal – the economic freedom of the enterprise. Economic choices in the traditional sense – are the selection of the best alternatives, the implementation of which can be achieved with maximum satisfaction of an individual business under minimum cost, but in the executable study context is to clarify the interpretation. Structural and logical composition of economic security of enterprise are shows in Fig. 2

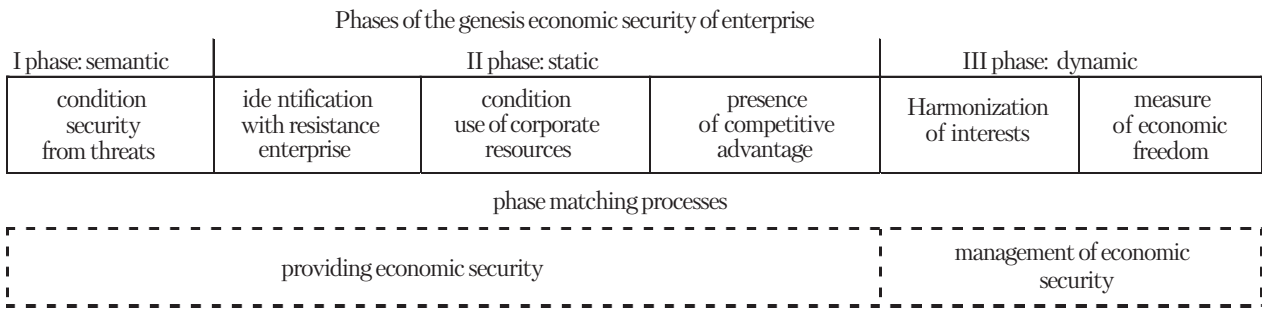


Figure 1. Genesis of economic security of the enterprise*

* *Kozachenko G.* The system economic security of enterprise / G. Kozachenko, O. Lyashenko, S. Kavun : Proceedings of the international conference on announcement and call for papers information technologies and security itsec-2012, Chisinau, Moldova, 15-16 Oct., 2012. Retrieved from <http://www.itsec2012.ulim.md/index.php?id=page1>

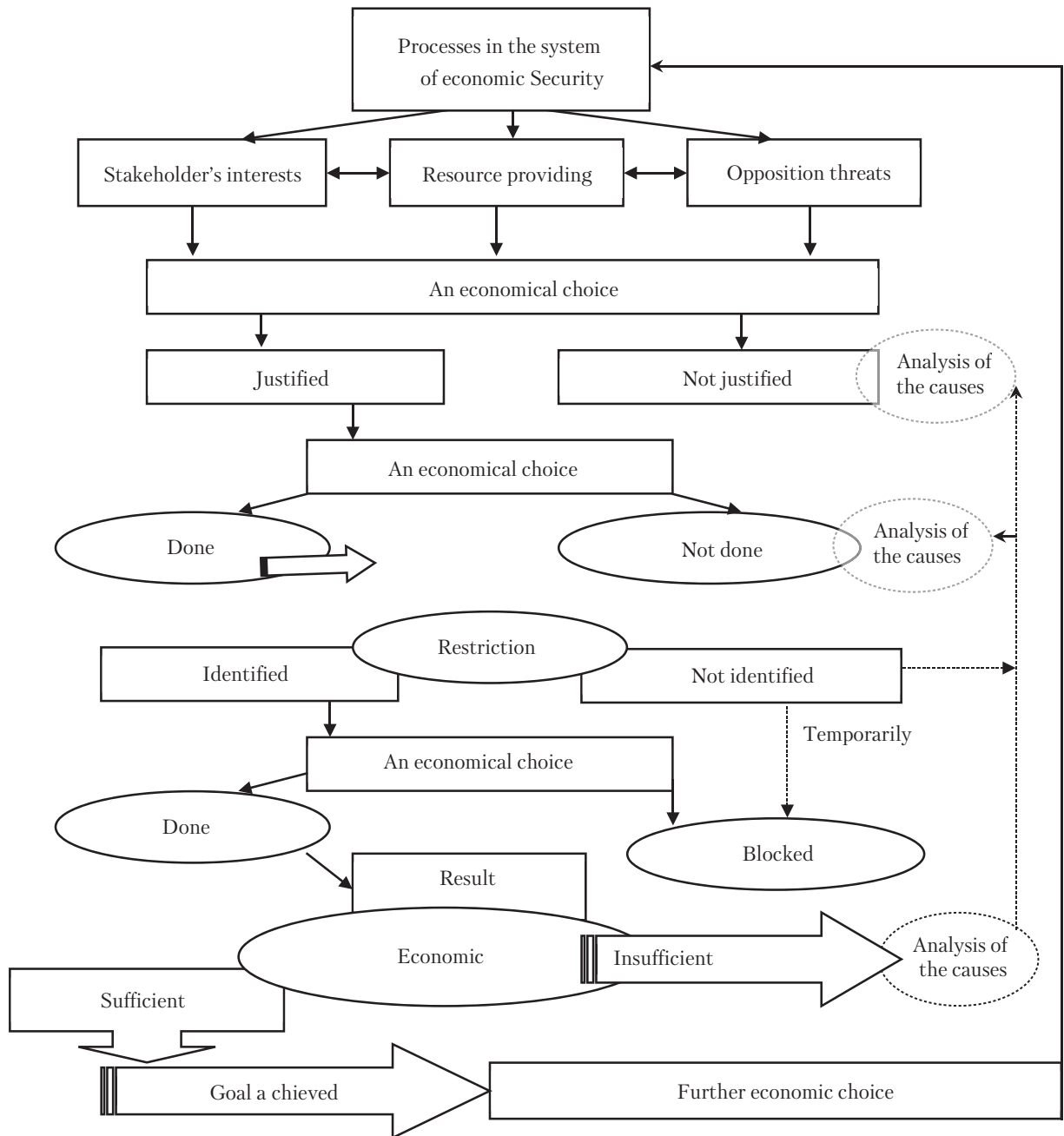


Figure 2. Structural and logical composition of the economic security of the enterprise

In particular, the economic choice in the system of the economic security of the enterprise means choosing the best of the alternative option reconciling the stakeholders enterprise interests of the rational use of resources. Economic choices can significantly restrict unfair competition, economic crime, corruption, crises (as phenomenon), raider attacks, opportunistic behavior etc.

Transformation of the economic security of the enterprise into socio-economic is taking place in the modern conditions. Such transformation is caused by intensification of the human factor impact in the external and internal environments of the enterprise. The manifestation of such impact on the external environment of the enterprise is the social responsibility maturing, and the social partnership formation is the internal one.

However, as the research showed, such formation is accompanied with a whole number of threats, which appeared as a conflict of a participant interest resulted either in such process or through their conscious or half-conscious destructive actions etc.

1. Capital accumulation (CA):

$$CA = \frac{NA_n - NA_{n-1}}{NA_{n-1}} = \frac{NA_n - NA_{n-1}}{E_7} \cdot \frac{E_4}{K_1} \cdot \frac{E_7}{E_4} \cdot \frac{K_1}{NA_{n-1}} \quad (1)$$

NA – net assets.

2. Providing market stability (MS):

$$MS = \frac{SV_{\text{exports}}}{SV_{\text{foreign market}}} \cdot 100\% = \frac{SV_{\text{exports}}}{E_2} \cdot \frac{E_9}{K_2} \cdot \frac{E_2}{E_9} \cdot \frac{K_2}{SV_{\text{foreign market}}} \cdot 100\% \quad (2)$$

SV – sales volume.

5. Providing stability of company (SC):

$$SC = \frac{\text{Rhythm}_{\text{actual}} - \text{Rhythm}_{\text{planned}}}{\text{Rhythm}_{\text{planned}}} \cdot 100\% = \frac{\text{Rhythm}_{\text{actual}} - \text{Rhythm}_{\text{planned}}}{E_7} \cdot \frac{E_7}{K_3} \cdot \frac{K_3}{K_4} \cdot \frac{K_4}{E_8} \cdot \frac{E_8}{\text{Rhythm}_{\text{planned}}} \cdot 100\% \quad (5)$$

6. Minimizing the loss of financial resources spent on core activities (LFR_{core}^I) is calculated as the ratio of financial costs to an operating cost per month, %:

$$LFR_{\text{core}}^I = \frac{FC}{OC} \cdot 100\% = \frac{FC}{\Sigma C} \cdot \frac{\Sigma C}{K_2} \cdot \frac{K_2}{OC} \cdot 100\% \quad (6)$$

FC – financial costs per month,
OC – operating cost per month.

7. Minimizing the loss of financial resources spent on core activities (MLFR_{core}^{II}) is calculated as the ratio of doubtful debts to total revenue (or sales volume), %:

$$LFR_{\text{core}}^{II} = \frac{DD}{SV} \cdot 100\% = \frac{DD}{E_6} \cdot \frac{E_6}{K_4} \cdot \frac{K_4}{E_2} \cdot \frac{E_2}{SV} \cdot 100\% \quad (7)$$

DD – doubtful debts.

The systems approach involves the interconnected factor study with regard to their internal and external communication, collaboration, and subordination, which is achieved through organizing. One way is to create a systematic factors determined by factor systems. To create a factor system means that the object is present in the form of an algebraic sum, part, or product of several factors that determine the size and found him in the functional dependence.

One of the factor analysis problems is modeling interactions between effective performance and factors that determine their value. The modeling essence is the correlation of parameter factorial transmitted study in the specific mathematical equation form.

Let us dwell on determining the impact of the safety function operating activities offered by the exercise in interpretation.

Advanced process formation level indicator of economic activity being studied, it can be decomposed into various methods of its components (factors) and is presented as a deterministic system model of factors.

3. Saving high return of capital (HROC):

$$HROC = \frac{Pr_n}{NA_n} \cdot 100\% = \frac{Pr_n}{\Sigma E} \cdot \frac{\Sigma C}{NA_n} \cdot 100\% \quad (3)$$

C – capital, Pr – profit.

4. Providing high return of business (HROB):

$$HROB = \frac{Pr}{SV} \cdot 100\% = \frac{Pr}{E_6} \cdot \frac{E_6}{E_4} \cdot \frac{E_4}{SV} \cdot 100\% \quad (4)$$

All the formulas used for such coefficients:

E_1 – the coefficient of the abnormalities,
 E_2 – the coefficient of the offers,
 E_4 – the coefficient of the overstated prices material assets,
 E_5 – the coefficient of the work with supply agreements material assets (alternative supplies decrease in prices),
 E_6 – the coefficient of the return receivables,
 E_7 – the coefficient of the working with contractors,
 E_8 – the coefficient of the work of self-supporting way,
 E_9 – the coefficient of the facts malfunction with material values,
 K_1 – the coefficient of the facts actions of criminal groups,
 K_2 – the coefficient of the removed to offenders,
 K_3 – the coefficient of the disciplined,
 K_4 – the coefficient of the brought to administrative responsibility.

Using the expansion system factor for each formula allows to evaluate the security feature impact for operations in statics and dynamics.

Effectiveness of the economic security management of the enterprise is regarded as compatible imperative to achieve, and dominant purpose of such management is reconciling the stakeholder interests of the enterprise and resists threats to its economic security. Complementary goal is the reshaping of the economic security of companies—realized by reallocating resources to achieve the imperative and the dominant goals and cue way that they did not enter into confrontation. Compatible achieved by dominant management objectives and economic security company, if necessary, may additionally be adjusted, for example, the resource maintenance amount, reserved for strengthening of economic security. Adjustments can be made with the help of the appropriate coefficient and essential can be the accelerator to achieve performance management of the economic security of the company.

The approach to understand the performance management of the economic security of the enterprise is fundamentally different from existing one.

Although, required to acknowledge that such an approach to evaluating the effectiveness is not without disadvantages, stemming from problems in obtaining relevant information, and the result interpretation of calculations, which may arise as a negative index result.

Evaluation of the management effectiveness of the economic security of the enterprise is requires selection criteria and application, which allows you to set the type and scale of the metric measurements. Currently, research results of economic processes develop under the two-landmark influence, each of which, in its turn, is a dialectical several component unity.

The first dominant concerns overcoming contradictions among resource availability for their use, namely comparing the results with resources management, spent the period to achieve such results.

The second dominant refers to the eliminate uncertainty in the triad “goal – way – result”. In addition, there is another logical problem – comparison purposes and results of the economic security company management, which can be partly solved by the metric creation that would be understandable for the economic security management of the enterprise. A special place in this metric has the selection criteria for that effectiveness, which, in its turn, depends on many factors. Therefore, the work and the achievement evaluation criteria of economic security of the company management objectives were identified.

The assessment basis of the performance of the economic security company management on the commitment principles, reliability, completeness, transparency, comprehensiveness, measurability, informational economic security. Effectiveness

evaluation of economic security management of the enterprise is seen as an ordered economic security sequences, events, subjects, economic security objects for specific characters or numbers based on pre-established rules and procedures, which used to direct the displaying economic reality adequacy. So, identification of threat to economic security, the development and implementation of preventive measures to prevent such threats, evaluating the preventive measure effectiveness to prevent threats and to identify reasons for the lack of preventive measure effectiveness to prevent threats and to identify new threats and degree identification; measure evaluation to prevent threats or overcome the consequences of their actions by reference, named of such measure implementation complex.

Consequently, the activity general condition and the mutual relations inside enterprise make it possible to talk about enterprise socio-economic security as the timely consistent genesis of the “enterprise economic security” concept. In relation to large industrial enterprises, which are the steady subsoil of economic development of Ukraine, socio-economic security acquires greater significance. Therefore, management of socio-economic development of enterprise, formation of its resource provision, evaluation of such management, etc. effectiveness must belong to the further scientific research prospects.

As management of the economic security of the enterprise is suggested to understand a process provided with the appropriate interest of inter consistency resources the bearers of which are agents of both external and internal enterprise environments, the leading influence range of which determines the measure of its immunity to external and internal threats. Such influence range can fluctuate from opposition to threats to elimination of their consequences that is from threat prevention to full danger.

Evaluation of economic freedom of enterprise needs an informational base, which is in the proposed measure of economic freedom – ecoliberty, whose values range from 1. Measure of Economic Freedom proposes that the company using a regular expression, the numerator of which represented the interests of consistency indicator stakeholders of the enterprise, and the denominator – indicator for assessing threats to its economic security. The principal position in assessing the impact of economic security of enterprise management is to identify not only quantitative traits degree of economic freedom defined by the results of the calculation values of the degree of economic freedom, but also the qualitative features of such measures.

Therefore, according to the proposed calculation ecoliberty ideology determines the range of measures of economic freedom of absolute freedom of the enterprise to addiction.

So, given that the main purpose of system of the economic security of the enterprise is to achieve its economic freedom, the work has been suggested: the economic enterprise management security is a specific object that belongs to a partially con-

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trolled class. Results verify this hypothesis, the requirement for precise manageability term of economic security of enterprise, living conditions and establish its extent.

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