

Summaries

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Technical Sciences PhD, Senior Research Fellow, Leading Researcher, Centre for Military and Strategic Studies, Ivan Chernyakhovskiy Ukrainian National Defense University, Lieutenant-colonel (ret.)

Poland's Security Policy and Political-Military Relations

This is the first in a series of articles to be published by the «Nauka i Oborona» Journal focusing on the security policy foundations of the countries in the region surrounding Ukraine, such as historical background, geopolitical perspective, military conflicts and political disputes with other nations. Findings of this study could be useful as a starting point in shaping and promoting Ukraine's national defense policy. The first article in a series analyzes Poland's security policy and its military-political relations.

Andriy Semenchenko,

Deputy Vice-President, National Public Administration Academy under the President of Ukraine, Dr. Public Administration, Professor, Winner of the National Science and Technology Prize

Administrative and Legal Mechanisms for Developing e-governance in Ukraine in the Context of the National Information Security and EU Integration

The article offers comparative analysis of administrative and legal mechanisms of the state oversight over the development of information society and e-government in Ukraine in the context of the national information security and the policy of EU integration. The author formulates scientific and methodological approaches to improve these mechanisms.

Olexandr Levchenko,

A-1906 Military Unit Commander, Ukrainian Ministry of Defense, Military Sciences PhD, Professor, Major General

Forms of Information Warfare: Practical Approach to Developing Definitions

Based on analysis of the modern scientific approaches and practical experience, the author clarifies a number of existing definitions and proposes new concepts with regard to forms of information warfare in the context of standardizing terminology currently applied in the Ukrainian Armed Forces and on the national scale. A thorough classification of the forms of information warfare is also being proposed.

Volodymyr Horbulin,

Member of Scientific Board of the Ukrainian National Academy of Sciences, Academician of the National Academy of Sciences of Ukraine, Dr. Technical Sciences, Professor

Volodymyr Shekhovtsov,

Technical Sciences PhD, Senior Researcher, Deputy Director, Regional Branch of the National Institute for Strategic Studies in Dnipropetrovs'k

State-owned Concern «Ukroboronprom» (Ukrainian Defense Industry) as the Future Nucleus of Ukraine's Defense Industry

The article focuses on the first achievements of the State-owned Concern «Ukroboronprom» towards the creation of an effective nucleus of the Ukrainian defense industry. Proposals as to restructuring and merger of a number of defense societies and enterprises are put forward by the authors. The article emphasizes the need to continue privatization of the national state-owned defense enterprises and to attract private capital in the national defense industrial complex. It is demonstrated that in order to guarantee further restructuring of the national defense industrial complex and to increase output of military articles, an integral state-level chain of management is to be created in the national defense industrial complex.

Valentyn Horovenko,

Section Head, Ukrainian National Institute for Strategic Studies, Advisor to the Verkhovna Rada (Parliament) National Defense and Security Committee, Colonel (ret.), 2nd level Public Administration Official

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Privately-owned defense sector companies: international experience and its possible application in Ukraine

Based on analysis of international experience, the article classifies privately-owned defense sector companies, identifies factors and trends influencing their development, as well as challenges to be addressed. The article also looks at legal regulation options for such companies under Ukraine's current national legislation.

Olexandr Hrinenko,

Head of Defense Economy Analysis and Forecasting Laboratory, Military and Economic Analysis Department, Defense Economy Directorate, Center for Military and Strategic Studies of the Ivan Chernyakhovskiy Ukrainian National Defense University, Military Sciences PhD, Associate Professor, Distinguished science and technology specialist

Mykola Dyenyehkin,

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Oleh Kutovyi,

Leading Researcher, Defense Economy Analysis and Forecasting Laboratory, Military and Economic Analysis Department, Defense Economy Directorate, Center for Military and Strategic Studies of the Ivan Chernyakhovskiy Ukrainian National Defense University, Technical Sciences PhD, Senior Research Fellow

Mobilizing the national economy in the context of modern armed conflicts

This article focuses on the need to revise the country's main tasks in the area of economic mobilization in order to meet Ukraine's national defense requirements in the context of maintaining the country's military capabilities as part of its security policy and given the emergence of new military conflicts.

Valeriy Silkov,

Leading Research Fellow, Aviation Equipment and Armaments Division of the Central Research Institute for Armaments and Military Equipment of the Armed Forces of Ukraine, Technical Sciences PhD,

Serhiy Zhdanov,

Leading Research Fellow, Aviation Equipment and Armaments Division of the Central Research Institute for Armaments and Military Equipment of the Armed Forces of Ukraine, Technical Sciences PhD, Senior Researcher,

Mykola Delas,

Technical Sciences PhD, Lecturer of the National Aviation University

Quick Technical Performance Assessment of an Unmanned Aerial Vehicle (Drone) based on its Flight Characteristics

Drones are currently built in over forty countries worldwide. Aviation market offers a huge variety of these devices of different types. In order to promote their product, manufacturers declare certain flight and technical characteristics. The article is looking at the possibility to assess the potential performance of a certain type of drone with traditional aerodynamic design based on characteristics declared by the producer.

Vadim Slyusar,

Chief Researcher of the Central Research Institute for Armaments and Military Equipment of the Armed Forces of Ukraine, Dr. Technical Sciences, Professor, Colonel,

Oleksiy Holovin,

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Petro Kisyl',

Leading Research Fellow, Central Research Institute for Armaments and Military Equipment of the Armed Forces of Ukraine, Technical Sciences PhD, Senior Researcher

On the Creation of a Nation-wide Information Support System for the Ukrainian Air Force

The article puts forward a substantial set of measures aimed at increasing the level of information support for the national Air Force, as would be sufficient to perform its assigned tasks.

Pavlo Skurs'kyi,

Technical Sciences PhD,

Olexandr Velychko,

Expert of the Ukrainian National Defense and Security Council, Colonel (ret.)

Defense Review in the United States:

Main Features

This article discusses the main features of the world's most well-structured and efficient defense review mechanism – that of the United States. It illustrates the role of defense review in the overall defense planning, which consists in adjusting the national security strategy and defense programs to the national security strategy objectives.