

Summaries

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Moldova's Security Policy and Military-Political Relations

This article continues a series of publications focusing on security policy foundations of the states surrounding Ukraine. It looks, in particular, at the historical context, geopolitical views, military and political disputes with other states. Findings of the research in question will provide major input in collecting the initial data required for the development and validation of Ukraine's national defense policy.

P. Shysholin,

Military Sciences PhD, Senior Researcher, First Deputy Head of the Ukrainian State Border Control Service – Head of State Border Protection Department, Colonel General

Border Control Concept and Characteristics: Its Place and Role in the National Security System

The article examines theoretic foundations of exercising state border control. The author provides his own definitions of its principal actors and entities. Main priorities in exercising state border control are being discussed in the context of the current Ukrainian crisis and its implications.

Yu. Baydak,

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Military Sciences PhD, Senior Research Fellow, Chief of Education Section, Air Force HQ, Colonel

Ukrainian Air Force Organizational Building: Methodology Aspects

In August 2014 Ukraine celebrates ten years of its Air Force. The article focuses on possible ways to improve methodology in the context of Air Force building and development in order to increase its combat preparedness. The authors discuss methodological approaches towards validating the future Air Force control system, while assessing the efficiency of Ukraine's air defense system and the overall fire strike ability.

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Research Fellow, Medical Support Science and Research Section, Military Medicine Science and Research Institute under the National Military Medicine Academy

Medical Support System for the Armed Forces of Ukraine: Current Status and Prospects for Development in the Context of Upcoming Changes in the Rules of Troops Employment

The article analyzes the current situation as far as medical support of the Armed Forces is concerned. The authors highlight key provisions of the main conceptual documents, which regulate areas of its future development. The focus is being placed on the main fields for the improvement of medical support for the national Armed Forces, such as the urgency to create an up-to-date medical care and evacuation system in order to guarantee timely medical help and improve primary medical care for troops involved in real combat under the conditions of modern armed conflicts.

V. Telelym,

Dr. of Military Sciences, Professor, Distinguished Scientist, Holder of the National Science and Technology Award, Commandant of the Ivan Chernyakhovskyi Ukrainian National Defense University, Lieutenant General,

D. Muzychenko,

Military Sciences PhD, Professor, Head of Intelligence Chair, Ivan Chernyakhovskyi Ukrainian National Defense University, Colonel,

Yu. Punda,

Military Sciences PhD, Senior Researcher, Dr. of Sciences Candidate, National Defense and Security Strategy Chair, Ivan Chernyakhovskyi Ukrainian National Defense University, Colonel

Force Planning for the «Hybrid War» Scenarios

The article focuses on the force planning process, which may help increase the efficiency of Ukrainian defense forces involved in «hybrid» warfare. The authors provide calculations of the necessary amount of troops and assets in order to be able to counter atypical enemy in the internal armed conflicts.

Yu. Radkovets',

Military Sciences PhD, Associate Professor, Deputy Commander, A-0515 Military Unit, Ukrainian MOD

«Hybrid War» Features in Russia's Aggressive Actions against Ukraine

The article examines the concept and meaning of «hybrid warfare», as well as its peculiarities, as reflected in the techniques used by Russia during its illegal annexation of Crimea and hostilities in the Donbass. The author outlines the meaning and significance of information component in the «hybrid warfare». General approaches to countering «hybrid» threats are being examined.

I. Chepkov,

Dr. of Technical Sciences, Professor, Head of the Central Research Institute for Armaments and Military Equipment of the Ukrainian Armed Forces, Colonel,

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A. Rusevych,

Captain, Associate Researcher at the Organizational Section of the Central Research Institute for Armaments and Military Equipment of the Ukrainian Armed Forces

Challenges and Solutions for Improving Technical Equipment of the Ukrainian Armed Forces in the Modern Circumstances

The article analyzes the current status and challenges related to the technical equipment of the Armed Forces of Ukraine.

The authors propose the relevant classification and discuss the structure and peculiarities of supplying the Armed Forces of Ukraine with armaments and military equipment. Potential solutions to improve general level of equipment of the national army are also formulated in the article.

B. Demidov,

Dr. of Technical Sciences, Professor, Senior Research Fellow, Air Force Science Centre of the Kharkiv Ivan Kozhedub Air Force University,

O. Velychko,

Government Expert, Military Industry Policy Section, Military Security Department under the National Defense and Security Council of Ukraine,

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Conceptual Aspects for the Development of the National Automated Air Defense Control System

The authors put forward a number of conceptual aspects with regard to developing the national automated air defense control system as part of the Unified automated system to exercise control over the entire Armed Forces.

K. Yushchenko,

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V. Samulyeyev,

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M. Matrunchyk,

Director, State-owned enterprise Luts'k «Motor» Overhaul Plant, Distinguished Machine-building Industry Worker of Ukraine, Colonel (ret.)

Newest Technologies in the Armed Forces to Promote Aviation Preparedness

The article looks at the main achievements of the current science and research system, which had been put in place in Ukraine in order to support the national aviation preparedness. This is of a particular importance due to the lack of supervision by foreign developers and manufacturers of military aviation equipment, as well as development and introduction of modern technologies in the process of gas turbine engine overhaul for military-use aircraft.