

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
Federal State Autonomous Educational Institution
higher education
NORTH CAUCASIAN FEDERAL UNIVERSITY

I APPROVE

Dean of the Faculty of Mathematics
and computer science named after
Professor N.I. Chervyakov,
Candidate of Physical and
Mathematical Sciences, Associate
Professor
Grobova T.A.

ASSESSMENT TOOLS FUND FOR DISCIPLINE

Organization of protection of confidential information / Организация защиты
конфиденциальной информации

Direction of training	02.04.01 Mathematics and Computer Science
Profile	Training Program for Electronic Information
Year of commencement of studies	<u>2026</u>
Form of study	full-time
Implemented in the 3rd semester	

Introduction

1. Purpose: The Assessment Tools Fund is intended to provide a methodological basis for organizing and conducting ongoing assessments in the course " Organization of protection of confidential information / Организация защиты конфиденциальной информации " Ongoing assessments in this course are a systematic method of assessing students' knowledge, skills, and abilities. The objectives of ongoing assessments are to obtain initial information on the progress and quality of competencies acquired, as well as to encourage regular, targeted student work. This work is intended to develop a specific level of competencies.
2. FOS is an appendix to the program of the discipline " Organization of protection of confidential information / Организация защиты конфиденциальной информации "
3. Developer: Peleshenko Tatyana Aleksandrovna, Candidate of Technical Sciences, Associate Professor of the Department of Computational Mathematics and Cybernetics .
4. An examination of the organophosphorus compounds was carried out.
Members of the expert group:
Chairman
Babenko M. G., Head of the Department of Computational Mathematics and Cybernetics
Members of the commission:
Peleshenko V.S., Associate Professor of the Department of Computational Mathematics and Cybernetics
Peleshenko T. A., Associate Professor of the Department of Computational Mathematics and Cybernetics

Representative of the employer organization Kornienko S. A., head of the branch department FSUE "Main Radio Frequency Center" in the Southern and North Caucasian Federal Districts districts

Expert opinion: the assessment tool fund complies with the educational program in the field of study 02.04.01 Mathematics and Computer Science, profile "Training Program for Electronic Information" and is recommended for ongoing monitoring of students' academic performance and midterm assessment.
5. The validity period of the FOS is determined by the period of implementation of the educational program.

1. Description of the criteria for assessing competence at various stages of its development, description of assessment scales

Competence(s), indicator(s)	Levels of development of competencies,			
	The minimum level has not been reached (Unsatisfactory) 2 points	Minimum level (satisfactorily) 3 points	Intermediate level (Fine) 4 points	High level (excellent) 5 points
<i>Competency: OPK-1 Able to assess the role of information, information technology and information security in modern society, their importance for meeting the objective needs of the individual, society and the state</i>				
Learning outcomes for the course (module): <i>Indicator: ID-1. OPK-1.</i> Formulates the project goal, defines a set of interrelated tasks that ensure its achievement and determines the expected results of solving the problems.	has difficulty understanding the basic concepts related to ensuring information and psychological security of the individual, society and the state, the concepts of information warfare, information warfare and the forms of their manifestation in the modern world	is mainly oriented in the basic concepts related to ensuring information and psychological security of the individual, society and the state, the concepts of information confrontation, information warfare and the forms of their manifestations in the modern world	is familiar with the basic concepts associated with ensuring information and psychological security of the individual, society and the state, the concepts of information warfare, information warfare and the forms of their manifestation in the modern world	is fully versed in the basic concepts related to ensuring information and psychological security of the individual, society and the state, the concepts of information warfare, information warfare and the forms of their manifestation in the modern world
<i>ID-2. OPK-1.</i> Develops an action plan to address project objectives, choosing the optimal solution based on current legal regulations and available resources and constraints.	has difficulty analyzing sources and classifying and assessing information security threats	mainly analyzes sources and provides classification and assessment of information security threats	analyzes sources and provides classification and assessment of information security threats	fully analyzes sources and provides a classification and assessment of information security threats

The assessment of the level of development of competence in the discipline is carried out on the basis of the "Regulations on the current monitoring of academic performance and midterm assessment of students in higher education programs - bachelor's programs, specialist programs, master's programs - at the federal state autonomous educational institution of higher education "North Caucasus Federal University" in the current version.

ASSESSMENT TOOLS FOR CHECKING THE LEVEL OF DEVELOPMENT OF COMPETENCIES

Task number	Correct answer	Contents of the question	Competence
Full-time education			
1.	To configure your computer as a Secret Security Server Net Studio requires the appropriate software to be installed and configured according to system requirements. It's also important to ensure reliable network security, including firewall configuration and regular security updates. Don't forget to back up your data to prevent data loss.	What steps need to be taken on the computer that will be used as the Secret Security Server? Net Studio ?	OPK-1
2.	a, b, e	What software packages does Secret consist of? Net Studio ? a) Secret Net Studio Client b) Secret Net Studio Security Server c) Secret Net Studio Update Server d) Secret Net Studio Server Protection from Unauthorized Access e) Secret Net Studio Center management	OPK-1
3.		What happens if the 8.5.5329.40 update is missing after installing the Secret management program? Net Studio ?	OPK-1
4.	a, d	Secret Security Server be installed in? Net Studio ? a) installation with creation of a new forest and security domain b) installation without creating a new forest and security domain c) installation without including the server in an existing security domain d) installation with creation of a new security domain in an existing forest of security domains	OPK-1
5.		Secret Security Server component is installed on it ? Net Studio ?	OPK-1

Task number	Correct answer	Contents of the question	Competence
6.	b	Does Secret Security Server support? Net Studio Windows authentication mode when working with a DBMS server? a) Yes b) No	OPK-1
7.		What credentials are required to connect to the database?	OPK-1
8.	a	After installing the Secret management program Net Studio, do I need to install the 8.5.5329.40 update package? a) Yes, it is mandatory. b) No, it's not necessary.	OPK-1
9.	b	Alt 8 SP is based on the operating system: a) Windows b) Linux c) MS DOS	OPK-1
10.	a	The bootloader used in Alt 8 SP is: a) GRUB b) Syslinux c) OS/2 d) LILO	OPK-1
11.	c	Alt 8 SP is supplied to: a) solid-state hard drive b) magnetic hard disk c) laser compact disc d) flash drive	OPK-1
12.	d	In the manual time change mode in Alt 8 SP, you can activate the synchronization function with the server: a) FTP b) HTTPS c) SSL d) NTP	OPK-1
13.	b	profile “ Samba Server -: DC ” offers a group of packages for: a) deployments on the website server b) configuring the server as a domain controller c) configuring the server as a local DNS server	OPK-1

Task number	Correct answer	Contents of the question	Competence
14.	c	When configuring network settings in Alt 8 SP, the following is available: a) manual filling of fields b) import fields from a flash drive c) manually filled in or obtained from a DHCP server d) manual configuration of network parameters is not provided	OPK-1
15.	c	Which of the following TCP / IP ports must be open on the firewall for successful communication between the Security Server and the Dallas Client? Lock : a) 5436 b) 80 c) 17493 d) 443	OPK-1
16.	b	What software is required to enable remote connection to the Dallas Security Server? Lock from the security administrator's workstation: a) Dallas Lock Configuration Server b) Security Server Console c) License server d) Putty	OPK-1
17.	a	What is the component of Dallas? Lock must be installed on the local computer before installing any other Dallas component. Lock : a) Dallas Lock Client b) License server c) Security server d) Security Server Console	OPK-1
18.	c	What is the component of Dallas? Lock enables centralized policy management and control of security domains across an organization: a) License server b) Dallas Lock Client c) Security server d) Security Server Console	OPK-1
19.	a	Which group must a user who installs the Dallas Client belong to? Lock : a) Local administrators b) Guest group c) Network administrators d) Accounting	OPK-1

Task number	Correct answer	Contents of the question	Competence
20.	b	What command launches the Dallas Client snap-in editor? Lock , where you can add a console for managing users and groups: a) ipconfig b) mmc c) mstsc d) shutdown	OPK-1
21.	c	What role does a user automatically get when they install Dallas? Lock on the local computer, in Dallas terminology Lock : a) Security Administrator b) Dallas Lock Administrator c) Super administrator d) Guest user	OPK-1
22.	a	What action must be taken immediately after installing the Dallas client? Lock : a) Restart your computer b) User logout c) Updating the operating system d) Disconnecting from the local network	OPK-1
23.	b	Dallas Client database server? Lock is the most recommended: a) Hosting the database server on a virtual machine running on the security server b) Hosting a database server on a dedicated physical server c) Hosting a database server on a virtual machine running in a cloud provider's data center d) Hosting the database server directly on the security server	OPK-1
24.	c	What is the Dallas Security Information System? Lock Linux ? a) hardware firewall b) antivirus software c) software package d) intrusion detection tool	OPK-1

Task number	Correct answer	Contents of the question	Competence
25.	c	Which of the following file systems does Dallas support? Lock Linux ? a) fat32 b) NTFS c) etc3 d) APFS	OPK-1
26.	c	Does Dallas match Lock Does Linux meet the requirements of the Federal Service for Technical and Export Control of Russia for the protection of computer equipment from unauthorized access? a) Complies with class 1 of computer protection against unauthorized access b) Complies with Class 3 of computer protection against unauthorized access c) Complies with Class 5 of computer protection against unauthorized access d) does not correspond	OPK-1
27.	b	Does Dallas match Lock Does Linux meet the requirements of the Federal Service for Technical and Export Control of Russia regarding the level of control over the absence of non-state assets? a) compliant with level 2 control of absence of NDV b) compliant with level 4 control of absence of NDV c) compliant with level 6 control of absence of NDV d) does not correspond	OPK-1
28.	d	What hardware identifiers does Dallas NOT support? Lock Linux ? a) eToken b) Rutoken c) iButton d) Selfkey	OPK-1
29.	d	Which of the following features does Dallas NOT support? Lock Linux ? a) protection of confidential information b) authentication tools management c) software integrity control d) monitoring suspicious activity in network traffic	OPK-1

Task number	Correct answer	Contents of the question	Competence
30.	d	Which of the following operating systems does Dallas NOT officially support ? Lock Linux ? a) Astra Linux Common Edition 2.12 b) Debian 8 c) Ubuntu 16.04 d) Arch Linux	OPK-1

Description of the rating scale

Under the rating system, student performance in each course is assessed through ongoing assessments and midterm assessments. The student assessment system is based on a set of assessments designed to test the material covered, optimally spaced throughout the course.

3. Competency assessment criteria *

A student is given a pass grade if he/she has a full understanding of the fundamental concepts related to ensuring the information and psychological security of the individual, society, and the state, the concepts of information warfare, information warfare, and the forms in which they manifest themselves in the modern world, and if he/she fully analyzes sources and classifies and evaluates threats to information security.

He is familiar with the basic concepts related to ensuring information and psychological security of the individual, society, and the state, the concepts of information warfare, information warfare, and the forms in which they manifest themselves in the modern world, analyzes sources, and classifies and assesses threats to information security.

Mainly oriented in the basic concepts related to ensuring information and psychological security of the individual, society and the state, the concepts of information confrontation, information warfare and the forms of their manifestations in the modern world, mainly analyzes sources and provides a classification and assessment of threats to information security.

A "fail" grade is given to a student if they have difficulty understanding the basic concepts related to ensuring information and psychological security of individuals, society, and the state, the concepts of information warfare, information warfare, and their manifestations in the modern world, have difficulty analyzing sources, and classifying and assessing information security threats. The OPK-1 competency has not been mastered.