



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission for the evaluation for compliance with the requirements of the standards of primary specialized accreditation (Ex-ante) of educational programs

6B07502 STANDARDIZATION, CERTIFICATION AND
METROLOGY (BY INDUSTRY) AND 6B11201 OCCUPATIONAL
HEALTH AND SAFETY

NON-COMMERCIAL JOINT-STOCK COMPANY "KAZAKH
NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED
AFTER K.I. SATPAEV"

Date of EEC visit: from April 19 to April 21, 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

*Addressed to
Accreditation
Council of the IAAR*



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(I) LIST OF SYMBOLS AND ABBREVIATIONS

EHEA - European Higher Education Area

IBK - Information and Library Complex

ICT - Information and Communication Technologies

IEP - Individual Curriculum

R & D - Research work

NIRS - Research work of students

OP - Educational programs

PPP - Faculty

RMEB - Republican Interuniversity Electronic Library

RK - Republic of Kazakhstan

UMO - Educational and Methodological Department

UMS - Educational and Methodological Council

EC - Electronic catalog

EBV - electronic library of the university



(II) INTRODUCTION

In accordance with the order No. 37-23-OD dated February 23, 2023 of the General Director of the Independent Agency for Accreditation and Rating, from April 19 to April 21, 2023, an external expert commission assessed educational programs 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety of the Non-profit joint-stock company "Kazakh National Research Technical University named after K.I. Satpayev" for compliance with the standards of primary specialized accreditation of the educational program (dated May 25, 2018 No. 68-18 / 1-OD, first edition).

The report of the external expert commission (EEC) contains an assessment of the quality of the submitted educational programs to the IAAR criteria, recommendations of the EEC for further improvement of educational programs and the conclusion of the expert commission according to the parameters of the specialized profile (ex-ante), the EEC visit program, as well as the results of a survey of teachers and students of educational programs.

The composition of the WEC:

Chairman of the EEC - Belykh Yury Eduardovich, Candidate of Physical and Mathematical Sciences, Associate Professor, expert of the 1st category IAAR.

EEC coordinator - Niyazova Guliyash Balkenovna, Head of the Project for the institutional and specialized accreditation of IAAR universities (Astana, Republic of Kazakhstan).

Кластер 1. Специализированная аккредитация

6B07306 *Engineering systems and networks and 7M007304 Engineering systems and networks* IAAR expert - Eremeeva Yulia Nikolaevna, Cand. Tech. Sc., senior lecturer of the East Kazakhstan Technical University. D. Serikbayeva (Ust-Kamenogorsk, Republic of Kazakhstan).

7M06301 *Comprehensive information security* IAAR expert - Daribaev Beimbet Serikovich, PhD, Head of the Department of Information Security of the Kazakh National University named after. al-Farabi (Almaty, Republic of Kazakhstan).
IAAR expert II category, employer - Kopishev Ilyas Ertaevich, director of LLP "EL - IT" (Almaty, Republic of Kazakhstan).
IAAR expert, student - Yerlanov Bauyrzhan Yerlanuly, student of the educational program 7M06106 Information systems of Almaty University of Power Engineering and Telecommunications named after Gumarbek Daukeyev (Almaty, Republic of Kazakhstan).

Cluster 2. Specialized accreditation

6B04102 *Mathematical economics and data analysis* IAAR Expert Category I – Pogrebetskaya Marina Vladimirovna, Cand. of Pedag.Sc., associate professor of the North Kazakhstan University named after M. Kozybayev, member of the Expert Commission on Higher Education IAAR (Petropavlovsk, Republic of Kazakhstan).

IAAR expert, student - Sarabek Nazerke Erikkyzy, a 3rd year student of the educational program, a teacher of primary classes of a humanitarian college (Aktobe, Republic of Kazakhstan).

6B07304 *Geospatial digital engineering* IAAR expert - Rustamov Eldar Jahangir oglu, Professor of the Azerbaijan University of Architecture and Construction (Baku, Republic of Azerbaijan).

Cluster 3. Primary specialized accreditation

<i>6B11201 Occupational health and safety</i>	IAAR expert of the 1st category – Chidunchi Irina Yurievna, PhD, Associate Professor of Toraigyrov University (Pavlodar, Republic of Kazakhstan).
<i>6B07502 Standardization, certification and metrology (by industry)</i>	IAAR expert, student - Fayzullina Dinara Nurbaevna, student of the educational program 6B07502 Standardization, certification and metrology (by industry) of the West Kazakhstan Engineering and Technical University (Uralsk, Republic of Kazakhstan).

Cluster 4. Primary specialized accreditation

<i>6B11310 logistics</i>	<i>Digital</i>	IAAR Expert I category - Pak Yuriy Nikolaevich, Doctor of Technical Sciences, Professor of the Karaganda Technological University (Karaganda, Republic of Kazakhstan). IAAR expert, student - Koshetaev Dias Sansyzbayuly, student of the 1st year of the educational program 7M11301 Logistics (by industry) (Astana, Republic of Kazakhstan).
<i>6B04103 engineering</i>	<i>Business</i>	IAAR expert I category - Zakirova Dilnara Ikramkhanova, PhD, Professor of Turan University (Almaty, Republic of Kazakhstan).
<i>6B04104 bachelor's degree</i>	<i>Startup</i>	IAAR Expert Category I, employer – Pilipenko Yury Alexandrovich, Chairman of the International Association of Producers of Goods and Services “Expobest” (Almaty, Republic of Kazakhstan).



(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Non-commercial joint stock company "Kazakh National Research Technical University. K.I. Satpayev (hereinafter: university, university, KazNITU named after K.I. Satbayev, Satbayev University) is one of the leading technical educational institutions of the Republic of Kazakhstan. The university was founded in 1934 as the Kazakh Mining and Metallurgical Institute.

In 2001, by the Decree of the President of the Republic of Kazakhstan N.A. Nazarbayev University was given a special status, and in 2014 - the category "National Research Technical University". In 2017 KazNITU named after K.I. Satpayev was renamed "Satbayev University".

Satbayev University provides training in two areas:

1. Industrial Sector (professional corporate sector - training of high-level specialists, certification and assignment of professional qualifications).
2. Research Sector (nurturing scientific personnel - bachelor's - master's - doctoral - postdoc; Young Researchers' Track).

The university provides training in the areas of bachelor's, master's, doctoral studies in accordance with the approved register on the basis of the state license for educational activities No. KZ56LAA00005304 dated July 11, 2015. The University owns academic resources for the implementation of educational activities in accredited EPs.

The choice of strategic directions for the development of the University until 2025 is determined by its mission, vision and development priorities, outlined in the Roadmap of NJSC "KazNRTU named after K.I. Satpaev" for 2016 - 2025.

The university cooperates with 94 partner universities from 27 countries of the world.

The university passed institutional accreditation at the National Agency for Quality Assurance in Education (IQAA) in 2016. The University was the first in Kazakhstan to pass and re-confirm the International Institutional Evaluation in the European University Association (EUA) under the International Evaluation Program (IEP, International Evaluation Program). In 2020, the university passed institutional accreditation at the Independent Agency for Quality Assurance in Education (IAQA) for a period of 7 years.

The university has 6 accredited laboratories: the Research Laboratory of Architecture and Construction (NILAS), the National Scientific Laboratory for the Collective Use of Information and Space Technologies (NNLKP), the Laboratory for Engineering Use (LIP), Chemical Synthesis and Oil Production (KhSiN), the operation of machines and automation of production complexes, design and installation of electronic devices.

Satbayev University is an associate member of 9 associations and consortiums in the field of education, science and technology.

The structure of the university. According to the website of the university, the structure of the university includes 10 institutes, 6 research institutes, 27 departments, 3 scientific and educational centers, 114 educational and research laboratories, 11 scientific laboratories, 2 training grounds, and a military department. For nonresident students, there are 6 student hostels and the House of Young Scientists, where undergraduates and doctoral students, as well as young scientists, live.

Education at the university is conducted in the state, Russian and English languages. The University actively participates in international and national rankings of universities and educational programs. Training of specialists in accredited educational programs 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety at work are conducted by the Institute of Energy and Mechanical Engineering and the T. Basenov Institute of Architecture and Construction.

Training of specialists in accredited educational programs EP 6B11201 - Occupational health and safety is carried out at the Department of Engineering Systems and Networks.

The staff of the department. The total number of full-time teachers of the Department of Engineering Systems and Networks is 7 people, with academic degrees and titles of candidates of science - 6, PhD - 1.

The contingent of students of accredited EPs of the graduating department, enrollment was made in 2022: 6B11201 - Hygiene and labor protection at work - 14 students (based on a state educational grant).

Training of specialists in accredited educational programs OP 6V07502 - Standardization, certification and metrology (by industry) is carried out at the Department of Standardization, Certification and Metrology.

The staff of the department. The total number of full-time teachers of the department is 9 people, with academic degrees and titles of candidates of science - 7, PhD - 2.

The contingent of students of accredited EPs of the graduating department, enrollment was made in 2022: 6B11201 - Occupational health and safety - 32 students (based on a state educational grant).

The diploma is accompanied by an appendix developed according to the standards of the European Commission, the Council of Europe and UNESCO/SEPES. The application uses the European credit transfer system (ECTS) and gives you the opportunity to continue your education at foreign universities, as well as confirm national higher education for foreign employers.

Educational activities are carried out on the basis of a general license No. KZ56LAA00005304 dated July 11, 2015, issued by the Committee for Quality Assurance in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational programs 6B11201 Occupational health and safety and 6B07502 Standardization, certification and metrology (by industry) for the first time an external assessment for compliance with the standards of primary specialized accreditation of an educational program of an organization of higher and (or) postgraduate education.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the Program of the visit, agreed by the rector of the Non-profit Joint Stock Company "Kazakh National Research Technical University named after K.I. Satpayev" and approved by the Director General of IAAR on April 4, 2023 using a hybrid model for conducting specialized and primary specialized accreditation of educational programs of the Non-Profit Joint Stock Company "Kazakh National Research Technical University named after K.I. Satpaev".

In order to coordinate the work of the EEC, on April 17, 2023, a kick-off meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the Chairman of the Board-Rector, vice-rectors of the university in areas of activity, heads of structural divisions, directors of the Institutes of Energy and Mechanical Engineering and Architecture and Construction named after T. Basenov, heads of educational programs, heads of departments, representatives of teaching staff, students, graduates (for educational programs with graduates), employers. A total of 70 representatives took part in the meetings (Table 1).

Table 1 - Information about employees and students who took part in meetings with the EEC
IAAR

Participant category	Amount
Vice-Chancellors, Members of the Board	3
Heads of structural divisions	17
Institute directors	5
Heads of EP, heads of departments	7
teachers	16
Students, undergraduates	22
Graduates	-
Employers and representatives of the practice base	-
Total	70

During the visual inspection, the EEC members got acquainted with the state of the material and technical base, including 717 GUK, 721 GUK, 1033b GUK, 161 GMK, 163 GMK, 31 GMK, 28 GMK, Assembly Hall of GMK, 2 coworking centers - GMK, a gym – GMK, UniHab.

At the meetings of the EEC IAAR with the target groups of the university, the mechanisms for implementing the policy of the university were clarified and certain data presented in the self-assessment report of the university were specified.

EEC members visited the practice bases of the accredited programs: Branch in Almaty and Almaty region RSE "KazStandard". In addition, members of the EEC attended a training session: - the discipline "Engineering and computer graphics" was conducted for students of EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety in the classroom 1033b GUK. First-year students were present, the number of students present at the lesson was 32 students. The topic of the lecture corresponded to the stated topic in the syllabus. The lecture was conducted using visual material (presentations).

In accordance with the accreditation procedure, a survey of 41 teachers and 331 students was conducted.

In order to confirm the information presented in the Self-Assessment Report, the working documentation of the university was requested and analyzed by external experts. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://www.kaznu.kz/>.

As part of the planned program, recommendations for improving the accredited educational programs 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety developed by the EEC based on the results of the examination, were presented at a meeting with the management on April 21, 2023.

(VI) COMPLIANCE WITH STANDARDS FOR PRIMARY SPECIALIZED ACCREDITATION

✓ 6.1. Standard "Management of the educational program"

□ The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between research, teaching and learning.

□ The organization of higher and (or) postgraduate education must demonstrate the development of a culture of quality assurance, including in the context of EP.

□ Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility.

□ The management of the EP demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the EP and the focus of its activities on meeting the needs of the state, employers, students and other interested parties. The plan should contain the dates for the start of the implementation of the educational program.

□ The EP management demonstrates the existence of mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.

□ The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan.

□ The management of the EP must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.

- The organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.
- The management of the EP must provide evidence of the transparency of the educational program management system.
- The management of the EP must demonstrate the existence of an internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on facts.
- The management of the EP must carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.
- The management of the EP should ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.
- OO must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.
- The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.
- The management of the EP must be trained in education management programs

Evidence

Educational programs 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety carry out their activities in accordance with the vision, mission and strategy of KazNRTU named after K.I. Satpayev <https://official.satbayev.university/ru/university/mission-strategy>. The EEC emphasizes that the mission, strategic goals and objectives of the university are formulated on the basis of material and financial resources, human and intellectual potential, assessment of the possibilities for their implementation, as well as taking into account the analysis of external market situations.

The University implements a policy in the field of internal quality assurance, a procedure has been developed for its adoption and approval, which comply with the normative documents of the QMS. In KazNITU named after K.I. Satpayev presented a system of strategic planning, the management of the university approved and implemented a new Development Strategy of NJSC "KazNRTU named after K.I. Satpayev" for 2022-2026 (approved by the board of directors of the university on November 25, 2022, protocol N 3).

In the university as a whole, procedures for assessing the quality of the EP are defined and documented. The university has adopted and approved the main regulatory documents that define the Policy in the field of quality culture: the Charter of the University, the Internal Regulations, the Code of Corporate Ethics (the Code of Conduct for KazNITU employees, the Code of Academic Integrity, the Code of Academic Honor of the student) and establish uniform requirements for the quality of the performance of professional duties university teachers and staff.

The Quality Policy reflects the relationship between research, teaching and learning, which provides for the conduct of research and the implementation of their results in the educational process. The heads of all structural divisions of the University inform the teaching staff, students, employers and other interested parties about the Policy through various information tools, explanations at all levels, are responsible for planning, implementation and quality improvement within their functional duties.

Academic committees (ACs) were created to ensure the quality development of educational programs and ensure the continuous updating of their content. The composition of AC on 6B07502 - Standardization, certification and metrology (by industry) includes leading scientists, practitioners in the areas of training, students and employers: Aitmagambetova R.Zh. - Deputy Head of the DSRN RGC "Kazakhstan Institute of Standardization and Metrology" (employer); Askarova Z.A. - student (student), Baimakhanov G.A. – Ph.D., Associate Professor; Zhankeldi A.Zh. – PhD, associate professor; Kapichnikova K.A. – student (student), Karazhanova D.D. – Candidate of Pediatric Sciences, Head of the Department “Head of the Department of Standardization, Certification and Metrology”; Mukasheva D.T. - Chief Specialist of the DSRN RSE "Kazakhstan Institute of Standardization and Metrology" (employer); Shingisova R.K. - senior lecturer, Kazhageldiev B.Zh. - master.

The composition of AC on 6B11201 - Occupational health and safety included leading scientists, practitioners in the areas of training, students and employers: Shevtsova V.S. - Chairman of the AC, Ph.D., Deputy. director; Batesova F.K. - Ph.D., deputy. director; Kuzhemuratov S.Sh - General Director of LLP "Standard Group LTD" (employer); Abiltaeva

Zh.Z. – student (undergraduate).

The review of the EP is carried out by employers and stakeholders to identify real production requests formulated by employers and other stakeholders. For example, there are positive reviews for OP 7M11201 - Occupational health and safety from the General Director of Vostok Mining Company LLP Tastanov E.A.; Head of the department for OSH regions "Bazis Construction" Taurbekov K.A.

According to OP 6B07502 - Standardization, certification and metrology (by industry), there are positive reviews from the Head of the metrological laboratory "Scientia Kazakhstan" Asilbekov Sh.B.; chief metrologist, head of the department of the Moscow Region Kөpzhassar M.Zh.

Risk management is carried out in accordance with DP KazNITU 613 Risk Management. Based on the analysis of information at the educational and methodological councils of institutes, subject matter experts identify risks and predict their probabilities, and make decisions on managing and responding to these risks.

At meetings with students and teaching staff, EEC members were convinced of the openness and accessibility of the EP leadership in solving various issues related to the development and implementation of the EP. During meetings with focus groups, it was announced that the monitoring of the implementation of the EP Development Plans is carried out at least once a year at department meetings, with a discussion of achievements and, if necessary, the required adjustments.

The management of the EP is also open to all participants in the educational process: teaching staff of the department, students. There is a schedule of reception on personal matters, indicating the approved time of admission, chats are additionally available. Surveys of students and teaching staff are regularly conducted to identify the most pressing issues of organizing the educational process.

Satbayev University has provisions for the target audience (VP, teaching staff, students) on the rules, forms and deadlines for feedback at the university (<https://official.satbayev.university/ru/docs>).

According to the results of the survey of teaching staff and students, the following answers were received to the questions: how does the content of the educational program satisfy your needs - 73.2% answered "very good", 26.8% of the respondents - "good"; the involvement of teaching staff in the process of making managerial and strategic decisions - 92.7% of the interviewed teaching staff answered satisfactorily.

Analytical part

In general, the activities of accredited EPs are consistent with the strategy, mission, vision and values of the university. The presented materials confirm the functioning of the mechanisms for the formation and regular revision of EP development plans and monitoring their implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society. The management and planning of the EP is aimed at their successful implementation. EP development plans have been developed that correspond to their goals, the mechanism for disseminating information about the plan and objectives of the EP, the resource support of the EP and the management structure of the EP.

EEC IAAR, on the basis of meetings, conversations and interviews with vice-rectors for areas of activity, directors of institutes and heads of departments, heads and employees of structural units, faculty, students, notes the distribution of staff duties and the delineation of the functions of collegiate bodies involved in the implementation of the EP.

The management of the EP has demonstrated its openness and accessibility for students, teaching staff, employers and other interested parties. The WEC was convinced of this in the course of discussions with focus groups.

However, the commission notes that the following issues regarding this standard are not fully reflected in the self-report and were not confirmed during the EEC visit.

The university develops plans for the development of the EP, however, the presented plans have a number of shortcomings. First of all, the EEC considers it necessary to involve employers, students and teaching staff in the preparation of the EP development plan, their discussion and approval at different levels of EP management, indicating those involved in this process. During the visit, the commission did not find confirmation of this fact. The content of the development plans for OP 6V07502 - Standardization, certification and metrology (by industry) and 6V11201 - Occupational health and safety does not confirm their development based on the analysis of the EP functioning. When comparing the submitted development plans accredited by the cluster 3 EP with other EPs by the commission, significant differences in form and content were revealed. This fact testifies to the absence of a unified mechanism for the development of EP development plans in the university. A mechanism for regular review and monitoring of their implementation was also not presented. The transparency of the processes of formation of the EP development plan is confirmed by the participation of interested parties in their discussion. The management of the accredited EPs also confirmed the participation of employers and students in the development of EP development plans. However, in the course of studying the submitted documentation, the EEC revealed their formal involvement. In the presented extract from the minutes of the meeting of the department No. 8 dated March 17, 2022, there is no confirmation of the fact of revision or proposals for the revision of the Development Plan of the educational program 6B07502 - Standardization, certification and metrology (by industry) by interested representatives of employers. Moreover, this fact was not confirmed in the course of conversations with representatives of employers and students. In addition, during a conversation with representatives of the EP: teaching staff and students, the fact of discussing the development plan for the EP, analyzing the functioning, as well as coordinating with stakeholders was not traced. The EEC notes that, according to this indicator, it is necessary to develop a detailed mechanism for developing a plan for the development of the EP.

The individuality of the plans for the development of the EP of cluster 3 is not clearly traced, the formulation of the uniqueness and individuality of the plans for the development of the EP and its consistency with the national development priorities and the development strategy of the university is not detailed enough. Development plans for EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety do not have specific digital levels for achieving risk prevention indicators, the results are described in general terms. The management of the EP did not properly demonstrate risk management within the EP undergoing primary accreditation, and the system of measures aimed at reducing the degree of risk was not demonstrated.

EEC was not fully provided with documents regarding the existence of a process for determining the risks to which the implemented EPs may be exposed.

Despite the fact that the management of the EP demonstrated the introduction of innovations within the accredited EP, nevertheless, the EEC came to the conclusion that the analysis and implementation of innovative proposals from stakeholders should be improved.

The uniqueness and individuality of the cluster 3 EP development plans need to be reviewed, since they are not sufficiently traced and there are no sections containing an analysis of possible risks in the implementation of the OP, a description of measures to prevent and overcome them. It is proposed to demonstrate how the management of the EP properly manages risks. It should be noted that the EP does not demonstrate innovation management, including the analysis and implementation of innovative proposals. In order to modernize the educational program at the university and build its innovative model, it is very important to imagine what innovative proposals are being introduced into the educational process.

Strengths / best practice in OP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- ensuring the active participation of representatives of the teaching staff, students and employers in the composition of the collegiate management bodies of the educational program,

as well as their representativeness in making decisions on the management of the educational program.

Recommendations for EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- In the 2023-2024 academic year, the university management needs to create an internal regulatory document (or make appropriate additions to the Regulation on the development of educational programs), describing the uniform requirements for the development plans for the development of educational programs of the university, taking into account:

- analysis of the functioning of the educational program, its real positioning and demand in the market of educational services;

- specific indicative indicators, indicating the timing of implementation for the main activities of a particular EP;

- involvement of employers, students and teaching staff in the preparation of the EP development plan;

- determining the individuality and uniqueness of the EP development plan within the real positioning of the university;

- a mechanism for monitoring the implementation and regular revision of the EP development plan.

- to ensure individuality and uniqueness in development plans, determine the advantages of accredited EPs, develop EP development plans indicating specific indicators, deadlines and those responsible for implementation based on strategic planning in accordance with national priorities and the development strategy of the organization of postgraduate education; systematically analyze risk management at the level of the structural unit and EP. (Start to implement them from the 2024-2025 academic year).

- in the procedures for the formation of EP development plans and other strategic and operational planning documents, provide for risk analysis and assessment, scenarios for the implementation of activities depending on the identified risks, guarantees for achieving the planned results (start their implementation from the 2024-2025 academic year).

- by the beginning of the 2024-2025 academic year, the leadership of the EP to develop an action plan for the introduction of new innovative teaching and assessment methods, including their own, into the educational process, as well as provide feedback on the effectiveness of their use.

Conclusions of the EEC according to the criteria:

According to the standard "Management of the educational program" of educational programs 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety have 1 - strong, 9 satisfactory positions and 5 - suggest improvements.

✓ **6.2 Information management and reporting standard**

□ The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software.

□ The EP Guide demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.

□ The management of the EP demonstrates the presence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance.

□ The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management.

□ The university must demonstrate the mechanism for ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.

□ The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.

□ The EP management must demonstrate the existence of communication mechanisms with students, employees and other stakeholders, including conflict resolution.

□ The university must ensure the measurement of the degree of satisfaction with the needs of students, teaching staff and staff within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings.

□ The university should evaluate the effectiveness and efficiency of activities in the context of the EP.

□ The information collected and analyzed by the university within the framework of the EP should take into account:

key performance indicators;

the dynamics of the contingent of students in the context of forms and types;

academic performance, student achievement and dropouts;

satisfaction of students with the implementation of the EP and the quality of education at the university;

availability of educational resources and support systems for students;

employment and career growth of graduates.

□ Students, teaching staff and staff must document their consent to the processing of personal data.

□ The management of the EP should contribute to the provision of the necessary information in the relevant fields of science.

Evidence

The following main information technologies have been introduced in the management activities of the University: the information website of the university (satbayev.university), the automated information system for managing the educational process "SSO Satbayev", the distance learning system, the university's electronic library, information systems and resources of the library complex.

The functioning of the system for collecting, analyzing and managing information at the university is based on the use of modern information and communication technologies and software. Thus, for automation, the following systems for collecting, analyzing and managing information have been introduced and are operating: information management within the official website of the university <https://satbayev.university>; management of educational and methodological information within the educational portals HeRo Study Space (<https://satbayev.hero.study/>) and LMS Polytechonline (<https://polytechonline.kz/>); electronic hostel automation system "Dormitory" (<https://dormitory.satbayev.university/>); electronic document management Salem Office (<https://salemoffice.kz/>); Microsoft Office 365 software product.

The information collection, analysis and management system is used to ensure the quality of the EP implementation. For example, the formation of consolidated examination sheets, a list of debtors, an electronic archive of session reports are used to analyze the results of sessions and make decisions about improving the educational process.

The information and feedback system is focused on students and employees and includes information stands at the departments, the functioning of the official website of the university. The official website also contains information about the contact details of the leaders of the EP (<https://official.satbayev.university/ru/project-management/nauchno-obrazovatelnyy-tsentr-matematicheskoy-ekonomiki>,

University educational portal sso.satbayev.university. is the university's own development, which is a single entry point for both students and faculty, providing access to electronic educational materials of disciplines, educational and individual plans, class and exam schedules, information about advisors and employers, news and announcements.

The Department of Information Technology has put into operation a new Data Processing Center (DPC). The level of security has also increased due to the introduction of a video surveillance system and limited access to the server room. With the commissioning of the new data center, the total size of RAM has increased from 280 GB to 1500 GB, the size of the data storage has increased from 50 TB to 140 TB.

Office work at the departments is carried out in accordance with the approved nomenclature of cases, and electronic document management is also used. In order to control and monitor the progress of students after the completion of the attestation (terminal) week and after the completion of the examination session, the teaching staff and advisers report at the meetings

of the department in accordance with the form F KazNITU 706-45. The results of progress in the department.

Main information flows: corporate email, university website (<https://satbayev.university/>), educational portal (<https://sso.satbayev.university/account/login?ReturnUrl=https%3A%2F%2Fsso.satbayev.university%2F#!/>), distance education portal (<https://polytechonline.kz/>). The management of the EP disseminates information about all aspects of development, formation, approval and implementation through the educational portal of the university (<http://sso.kaznitu.kz/account/login/>).

The university library is subscribed to Kazakhstani and foreign electronic resources: RMEB, KazNEB, Wiley, ScienceDirect, Scopus, WoS, ELS "IPRbooks", ELS "Lan", providing the information needs of the EP in domestic and foreign publications. As part of the policy of open access to scientific information, students get access to institutional repositories.

Based on the results of the survey, the following answer was received:

- The involvement of teaching staff in the process of making managerial and strategic decisions is "very good" - 48.8%; "good" - 43.9%; relatively bad - 7.3% of the surveyed teaching staff.

Analytical part

NAO KazNRTU named after K.I. Satpayev conducts constant systematic work to improve the functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software, and that uses a variety of methods to collect and analyze information in the context of the EP. A system of regular reporting is also provided, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research.

The information expected to be collected and analyzed within the framework of the EP takes into account key performance indicators, the dynamics of the contingent of students in the context of forms and types, the level of academic achievement, students' achievements and expulsion, student satisfaction with the implementation of the EP and the quality of education at the university, the availability of educational resources and support systems for students.

Resolution of conflict situations between teachers and students is carried out by the Commission for Quality Assurance. Also, the University has an Ethics Committee, whose function is to resolve various conflict situations between teachers, between teachers and directors and other administrative and managerial personnel of the university. The work of this committee is built in accordance with the Academic Policy of the University, the Code of Ethical Conduct, the Regulations on the Ethics of Scientific Research, the Anti-Corruption Policy of the University.

During the interviews with students, there were no facts of students' difficulties in obtaining up-to-date information on the work of the university, the choice of educational trajectories and the work of the library.

Strengths/best practice for accredited EPs:

- The educational organization has demonstrated the availability of an effective system for collecting, analyzing and managing information in all areas of activity based on the use of modern information and communication technologies and software tools and software tools HeRo Study Space and LMS Polytechonline.

VEC recommendations for EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: no

Conclusions of the EEC according to the criteria:

According to the standard "Information Management and Reporting", educational 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety have 1 - a strong criterion and 15 - satisfactory.

✓ **6.3 Standard "Development and approval of the educational program"**

□ The university must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level.

□ The university must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes.

□ The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes.

□ The university demonstrates the presence of a model of a graduate of the EP, describing the learning outcomes and personal qualities.

□ The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA.

□ The management of the EP should demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the EP corresponds to the goals set, with a focus on achieving the planned learning outcomes for each graduate.

□ The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies).

□ The management of the EP must demonstrate the conduct of external examinations of the EP.

□ The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the EP.

□ The EP management must demonstrate the uniqueness of the educational program, its positioning in the educational market (regional/national/international).

□ An important factor is the possibility of preparing students for professional certification.

□ An important factor is the presence of a joint (s) and / or double-diploma EP with foreign universities.

Evidence

The development and approval of educational programs is carried out in accordance with the Rules for the development of educational programs at Satbayev University (KazNRTU named after K.I. Satpayev).

The departments "Standardization, Certification and Metrology" and "Engineering Systems and Networks" provide for the existence of a regulatory manual in the field of quality assurance of the EP in the form of a Working Curriculum (CURRICULUM PROGRAM) for the EP of the cluster, approved in the appropriate manner and having an official status (<https://official.satbayev.university/ru/educational-programmy>).

The implementation of accredited EPs is aimed at forming the professional competence of future specialists, corresponding to the qualification framework of education levels and professional standards, as well as meeting the needs of the market. The EP provides for the possibility of building an individual educational trajectory, taking into account the personal needs and capabilities of students.

Accredited EPs have clearly formulated goals, taking into account the requirements and requests of potential consumers, based on an assessment of the demand for educational programs, changes to the EP are carried out at the stages of adjusting the content of goals, the structure of the program, designing curricula and adjusting the work programs of academic disciplines, taking into account changes in the labor market, the requirements of employers and the social demand of society.

The management of the EP ensured that the developed EP complied with the established goals, including the expected learning outcomes, providing the opportunity to obtain in-depth knowledge, key skills and abilities of the graduate and its further development. All stages of the training cycle for undergraduates and doctoral students, from admission to graduation, are detailed in the Rules for the credit technology of education at KazNRTU named after K.I. Satpayev (doctoral studies) Pr 029-05-01.1.01-2020. If the goals of the program are not achieved, the learning outcomes, ways to achieve results are reviewed and new goals of the main

educational program are formulated, a reasoned conclusion is prepared on the need to modernize the educational program. Without fail, the work plans of the collegiate bodies (Academic Council of the University, Educational and Methodological Council of the University, Educational and Methodological Council of the Institute) contain questions on the planning and implementation of educational programs.

Members of the EEC IAAR note that when forming the educational trajectory, the logical sequence of mastering academic disciplines is taken into account, taking into account prerequisites and postrequisites. Within the framework of EP 6B07502 - Standardization, certification and metrology (by industry) on the basis of KazNRTU named after K.I. Satpayev, together with the Branch of RSE "KazStandard" opened and operates "KazStandard Academy". One of the activities of "KazStandard Academy" is additional training for students of 2-4 courses of the EP with the issuance of certificates.

Within the framework of EP 6B11201 - Occupational health and safety, the working curricula provide for certification courses in the disciplines "Certified State Course on Occupational Safety and Health", "Training course with obtaining a certificate for the right to monitor industrial safety of technological processes and equipment".

The EEC confirms the conformity of the content of the EP and the learning outcomes of the EP implemented by organizations of higher and (or) postgraduate education in the EHEA - a single European educational space of all countries participating in the Bologna process, in the field of higher education, which is regulated by the Order of stay of foreign students in NAO KazNRTU named after K .I. Satpaev (P 029.03.18.06.1.01-2019) and is aimed at the following academic support for students: academic mobility to master part of the educational program abroad; migration and visa support within the framework of the academic process.

The University constantly searches for new internship bases and concludes internship agreements with enterprises. The results of the practice are filled in in the form of a practice diary, signed by the head of the practice of the enterprise in a timely manner. The process of organization and internship is regulated by the internal regulatory documents of the University. Satpayev (<https://official.satbayev.university/ru/vnutrennie-normativnye-dokumenty/3-uroven-upravlenie-obrazovatelnyim-protssom>).

The results of the survey of the teaching staff showed: to what extent the content of the educational program satisfies the needs of the teaching staff - "very good" 73.2% and "good" - 26.8% of respondents; how the attention of the management of the educational institution is paid to the content of the educational program - satisfactory answers of 97.5% of the respondents.

Analytical part

During the external evaluation, the commission notes that the academic disciplines for accredited educational programs are sufficiently equipped with educational and didactic materials with a modern level of content and performance. Educational and didactic material is developed by sufficiently qualified teachers at a satisfactory scientific and methodological level and is aimed at developing competencies in accordance with EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety. To ensure the good quality of the classes, multimedia classrooms equipped with modern computers, video projectors, and interactive whiteboards are used. All disciplines are provided with guidelines for independent implementation of practical and laboratory work, lecture notes to increase the availability of educational material of disciplines in the state and Russian languages. To improve the quality of education in the specialty, teachers widely use innovative teaching methods: laboratory and practical work in most disciplines is carried out using computer technology. Each student has an identified entrance to his personal account in the PolytechOnline educational portal (<https://polytechonline.kz>).

During the work of the EEC, the content of the Educational Programs was analyzed, during the analysis it was revealed that all disciplines reflect the competencies of the basic profile of the

accredited programs.

The developed EP reflects information on the university's determination of the content, volume, logic of building an individual educational trajectory, taking into account the personal needs and capabilities of students, a link is provided to the "Framework Model of the Satpaev University Graduate" within specific accredited EPs.

The university ensures the objectivity of the assessment of knowledge and the degree of formation of the professional competence of students, the transparency and adequacy of the tools and mechanisms for their assessment. The University has developed mechanisms for internal quality assessment and examination of educational programs.

As a result of the visit, the EEC did not provide concrete examples of revising the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of the society, there is no information on external examinations of the content of the EP and the planned results of its implementation.

Strengths/best practice

- *Guidelines EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety create opportunities to facilitate the preparation of students for professional certification.*

VEK recommendations for EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety

- *The management of the EP to ensure the availability of the developed model of the EP graduate, describing the learning outcomes and personal qualities, with placement on the university website by the beginning of the 2023-2024 academic year;*

- *the management of the EP to develop mechanisms for the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality by the beginning of the 2023-2024 academic year.*

Conclusions of the EEC according to the criteria:

According to the standard "Development and approval of the educational program" according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety have strong - 1, satisfactory - 11.

✓ 6.4 Standard "Continuous monitoring and periodic evaluation of the educational program"

The university must ensure the revision of the structure and content of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society.

The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation in order to achieve the goal of the EP and continuously improve the EP.

*Monitoring and periodic evaluation of the EP should consider:
the content of the program in the context of the latest achievements of science and technology in a particular discipline;*

changes in the needs of society and the professional environment;

workload, performance and graduation of students;

the effectiveness of student assessment procedures;

needs and degree of satisfaction of students;

compliance of the educational environment and the activities of support services with the goals of the EP.

The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the EP.

Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, assessment, mastering the EP in general.

Evidence

The university has defined the procedure for monitoring and periodic evaluation of the EP. A special Commission for Quality Assurance is being created, which approves the content of the EP, constantly monitors the implementation of the EP, the quality of teaching, preliminary moderation of syllabuses and examination materials.

The management of the EP defines a mechanism for monitoring and periodically evaluating the EP to ensure the achievement of the goal and meeting the needs of students, society, and also provides a mechanism aimed at continuous improvement of the EP.

Monitoring and evaluation of the EP is carried out at the level of the department, Institute and administration with mandatory analysis and consideration of reports on the dynamics of the program at meetings and the adoption of appropriate decisions for their implementation.

Monitoring of the implementation of the EP and the educational achievements of students is carried out twice a year. The frequency of other types of monitoring is once a year. The departments carry out a systematic analysis, monitoring of the current EP, its compliance with this contingent of students, based on the results of the analysis, changes are made to the structure and content of the EP, QED.

In order to take into account the interests of employers in the development of educational programs in the formation of catalogs of elective disciplines, potential employers, practice leaders take an active part, round tables and meetings are held, as well as educational and methodological seminars, questionnaires, external review and examination of QED and curricula (EMCD) OP (for example, according to EP 7M11201 " Occupational health and safety ": LLP "Mining and Ore Company Vostok"; LLP "Bazis Construction"). Internal audit is carried out by the Corporate Development Department. The evaluation of the quality of the implementation of the EP is determined by analyzing the conducted open classes and mutual visits of the teaching staff of the department.

Based on the results of the survey of the teaching staff, it was found that: for 36.6% of the teaching staff, the workload corresponds to their expectations and capabilities as "very good"; for 51.2% - "good", 12.2% rated "relatively bad".

Analytical part

The university has determined the format for monitoring and periodic evaluation, as well as support services to ensure that the needs of students are identified and met. However, no supporting documents were submitted for the participation of students and other stakeholders (other employers) in the revision of the EP.

Insufficient information is reflected on the university website on how interested parties are informed about the planned or taken actions in relation to this EP. Also, specific examples of reviewing and examination of catalogs of elective disciplines and curricula of elective disciplines of the EP are not given.

EEC experts note the absence of a mechanism for informing all interested parties about any planned or undertaken actions in relation to the EP on the website of the university. The University does not publish information about changes made to the EP.

To assess the satisfaction of the EP among students at the university, a survey is conducted. However, there is no approved mechanism for analyzing the results of the survey of students to meet the expectations and needs of students in the educational program.

Strengths/best practice EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: not identified.

VEK recommendations for EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- The management of the EP is recommended to develop a mechanism and ensure that stakeholders are informed about all planned or undertaken actions within the framework of EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety from the 2023-2024 academic year;

- based on the results of the revision and amendments to the accredited study programs, ensure the publication on the university website of the results of the amendments made from the 2023-2024 academic year.

Conclusions of the EEC according to the criteria:

According to the standard "Continuous monitoring and periodic evaluation of basic educational programs" 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety, they have 8 satisfactory criteria and 2 - suggests improvement.

✓ **6.5 Student-Centered Learning, Teaching and Assessment Standard**

- The management of the EP should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.
- The management of the EP should ensure teaching based on modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the objectives of the EP, including competencies, skills to perform scientific work at the required level.
- The management of the EP should determine the mechanisms for distributing the teaching load of students between theory and practice within the framework of the EP, ensuring the mastery of the content and achievement of the objectives of the EP by each graduate.
- An important factor is the presence of own research in the field of teaching methods of EP disciplines.
- The university must ensure that the procedures for evaluating learning outcomes are in line with the planned results and goals of the EP.
- The university must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP, the publication of criteria and assessment methods in advance.
- Assessors should be proficient in modern methods for evaluating learning outcomes and regularly improve their skills in this area.
- The EP management must demonstrate the existence of a feedback system on the use of various teaching methods and evaluation of learning outcomes.
- The management of the EP must demonstrate support for the autonomy of students with simultaneous guidance and assistance from the teacher.
- The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.

Evidence

During the visit, the EEC IAAR made sure that the University Administration provides academic freedom to students, pays great attention to student-centered learning, which is consistent with the mission, goals, policy in the field of education quality. When implementing student-centered learning, the university ensures respect and attention in relation to different groups of students and their needs. Thus, the University has a Department for Youth and Sports and a Council of Young Scientists, whose representatives, at regular meetings with the administration and top management, always come up with proposals for improving the conditions of the scientific, educational and educational process.

The student, regardless of the form of study, the terms of study, independently builds his educational program in the form of an IEP <https://admin.satbayev.hero.study/individual-education-plan/index>, compiled as part of the curriculum of the educational program and the catalog of elective disciplines (QED) (<https://admin.satbayev.hero.study/subject-list/index>).

The individual characteristics of students influence the formation of an individual educational trajectory and the implementation of the EP. Before the start of the EP, the data of the questionnaire and electronic databases of students are processed and, based on these data, appropriate adjustments are made.

When forming the EP, the needs of students are taken into account, including: the choice of a teacher, the language of teaching, the time of classes and the audience.

Student-centered education at the university is implemented by forming an individual curriculum (F KazNITU 706-06) for each academic period using the standard curriculum and QED, while allowing you to choose an individual educational trajectory. The student has the right to study on academic mobility in other universities, both in the Republic of Kazakhstan and

abroad, with subsequent transfer of the disciplines studied at the university and their inclusion in the transcript, or to study these disciplines using distance learning technologies. To meet the need for additional or repeated study of disciplines, the university annually holds a summer semester (DP KazNITU 706 Knowledge Assessment and Debt Elimination).

The university has developed a practice of conducting sociological surveys of students on the subject of their satisfaction with the quality of education. In addition, a survey was conducted during the reporting period, allowing students to assess the professional level of a particular teacher (“Teacher through the eyes of students”).

At the institutes IAiS and IEiM, by order of the directors, a disciplinary council is created annually. The competence of the council includes receiving and considering complaints from students.

Responsible for considering complaints from students is the chairman of the councils of the institutes. The procedure for registration and consideration of incoming applications is described in DP 721 - “Consideration of applications from citizens and legal entities”.

After the announcement of the results, the student has the right, within 24 hours from the moment the grades are announced, to submit an application with a request for consideration of his work by the members of the disciplinary council in order to review the grade. When considering the work, the student is provided in writing with the correct answers to each question of the examination ticket.

The EEC notes that based on the results of the participation of students of accredited EPs in the procedures for independent evaluation of learning outcomes, in particular departments, it is confirmed by the satisfactory quality of teaching.

The management of the EP demonstrated the existence and effectiveness of the peer review mechanism (appeal), the transparency of the criteria and assessment tools.

To assess the educational achievements of students, various forms of control and certification are provided. Assessors should be proficient in modern methods of evaluating learning outcomes and regularly improve their skills in this area. The teaching staff of the department annually undergo refresher courses and specialized trainings to improve teaching skills.

The survey conducted during the visit of the EEC IAAR showed that students expressed full and partial satisfaction with: the objectivity and fairness of teachers - 84.3%; teaching methods in general - 88.2%; quick response to feedback from teachers regarding the educational process - 89.1%; equal opportunities are provided to all students - 78.3%.

Analytical part

The commission notes that students enrolled in accredited EPs participate in the procedures for independent evaluation of learning outcomes. Interviews of students showed that they have academic freedom in choosing an educational trajectory and a teacher, they are provided with the opportunity to assess the professional qualities of teaching staff through a questionnaire.

The EEC Commission notes the existence of procedures for responding to complaints. Complaints and proposals are considered by the Disciplinary Council with the inclusion of decisions in the minutes of the meeting. Conflicts that arise during the examination session are considered by the Appeals Commission, which is created by order of the rector. When considering conflicts involving students, first of all, the rights and legitimate interests of students are taken into account.

During the interview of the teaching staff, the EEC determined that the teaching staff of the EP publishes various educational and methodological and teaching aids in readable disciplines, however, there is a lack of own teaching staff research on teaching methods.

Trainers noted the existence and functioning of the conflict resolution system.

Strengths / best practice EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- the management of the EP demonstrated the high efficiency of the procedure for responding to complaints from students through the functioning of the disciplinary councils of the institutes.

Recommendations of the EEC according to the standard EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- From the 2023-2024 academic year, on an annual basis, prepare a plan for the development and implementation in the educational process of the teaching staff's own research in the field of teaching methods of academic disciplines. Ensure the dissemination of information about the results of their own research.

The conclusions of the EEC according to the criteria according to the standard "Student-centered learning, teaching and assessment of progress" according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: have 1 - a strong position and 9 - satisfactory.

6.6 Standard "Students"

The university must demonstrate the policy of forming a contingent of students and ensure transparency, publicity of the procedures governing the life cycle of students (from admission to completion).

The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students.

The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.

The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for education.

The university should encourage students to self-education and development outside the main program (extracurricular activities).

An important factor is the existence of a mechanism to support gifted students.

The university must demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.

The university must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them.

The university must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes.

The management of the EP must demonstrate that the graduates of the program have skills that are in demand in the labor market and that these skills are really relevant.

The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates.

An important factor is the existence of an active alumni association/association.

Evidence

The University widely uses modern means of communication, the Internet and the media to ensure the transparency of university processes and inform the public about the activities and educational programs of the university

To implement the policy of forming a contingent of students, Recruiting activities of the university are carried out on the basis of DP KazNITU 701 Career guidance work. The types of career guidance work include: visiting schools, colleges, presenting information about the department on the university website, inviting students to an open day, meeting with parents in the university building, sightseeing tours around the university, organizing an exhibition of department achievements, meeting with students.

Each applicant can get information on the University website. For applicants, stands are issued in Kazakh and Russian with the necessary information on admission. The issues of contingent formation and the results of admission are considered at meetings of the departments, as well as an analysis of admission is carried out and measures are developed for conducting career guidance work.

KazNITU accepts persons with general secondary, technical and vocational, post-secondary, higher and postgraduate education. Admission of persons entering KazNITU is carried out by placing an educational grant of higher education, at the expense of the republican budget or the local budget, as well as paying for tuition at the expense of the student's own funds and other sources.

The contingent of students of EP 3 of the cluster is presented in table 2.

Table 2 - Formed contingent of students in the context of accredited specialties KazNRTU named after K.I. Satpaeva

Code and classification of the field of education	Name and code of EP		2021-2022	2022-2023
B094 - Sanitary preventive actions	6B11201 - Occupational health and safety	Total	0	14
		Grant	0	14
		Treaty	0	0
6B075- Standardization, certification and metrology (by industry)	6B07502 - Standardization, certification and metrology (by industry)	Total	0	32
		Grant	0	32
		Treaty	0	0

For the adaptation and support of enrolled students, the Department for Youth and Sports, the Council of Young Scientists, the Student Hostel Service was created, whose representatives, at regular meetings with the management and top management, always come up with proposals for improving the conditions of the scientific, educational and educational process. Based on the results of the meetings, the tasks set in them are developed and completed on time (Management of educational work).

The student independently builds his educational program in the form of IEP according to the form F KazNITU 718-02, compiled as part of the curriculum of the educational program and the catalog of elective disciplines (QED). The IEP is formed by a student (bachelor) for each academic period.

The EEC notes that the accredited EPs did not provide information on the implemented and planned academic mobility of students.

Control and monitoring of the employment of graduates is carried out in accordance with the documented procedure of DP KazNITU 710. Employment of graduates.

The results of the survey of students showed that: “fully satisfied” with the availability of academic counseling – 55.1%, “partially satisfied” – 30.9%; fully satisfied with the quality of teaching - 58.9%, partially satisfied - 30.9%

Analytical part

The management of the EP fully demonstrated the existence of a policy for the formation of a contingent of students, including ensuring transparency. During the analysis of the submitted documents, based on the results of meetings with students and employers, the EEC came to the conclusion that the university has all the necessary procedures governing admission, adaptation, training and completion of the learning process, defined, approved and published on external resources.

The university has developed and is implementing adaptation and support programs for newly enrolled and foreign students. A mechanism for recognizing the results of previous training and academic mobility has been implemented. The formation and implementation of an individual educational trajectory of a student is regulated by the normative and reference documentation of the university.

The management of accredited EPs provided information on the provision of social support

to students in the provision of grants and discounts for educational services and material incentives (encouragement) for students. One of the important forms of providing social support is the provision of places in dormitories for all students of the university and the provision of benefits for living in dormitories.

Analyzing the standard "Students" EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety for accredited specialties, the commission notes:

Strengths/best practices for accredited EPs have not been identified.

Recommendations of the EEC according to the standard EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: no EEC conclusions by criteria

According to the standard "Students" according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: 12-satisfactory.

✓ **6.7 Standard "Teaching Staff"**

□ *The university must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, ensuring the professional competence of the entire staff.*

□ *The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, and the objectives of the EP.*

□ *The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching.*

□ *The university should provide opportunities for career growth and professional development of teaching staff, including young teachers.*

□ *The university should involve in the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP.*

□ *The university must demonstrate the existence of a motivation mechanism for the professional and personal development of teaching staff.*

□ *The university must demonstrate the widespread use of information and communication technologies and software in the educational process by the teaching staff (for example, on-line training, e-portfolio, MEPs, etc.).*

□ *The university must demonstrate its focus on the development of academic mobility, attracting the best foreign and domestic teachers.*

□ *The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff, including those invited, to achieving the goals of the EP.*

□ *An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country.*

Evidence

Personnel policy of the University (posted on the official website of SU). Decisions of the management on the admission, transfer, promotion of the PSS are made on the basis of the Rules for the competitive replacement of vacant positions of the teaching staff of NAO "KazNRTU named after K.I. Satpaev" and the Rules for the certification of the teaching staff of KazNITU named after K.I. Satpaev.

The staff of the University is staffed in accordance with the legislation of the Republic of Kazakhstan and (Rules for attestation and competitive replacement of teaching staff positions of NAO KazNRTU named after K.I. Satpayev) placement of advertisements in national newspapers and the website of the University.

The total number of teaching staff providing the educational process in EP 6B11201 - Occupational health and safety is 7 people, with academic degrees and titles of candidates of science - 6, PhD - 1, which is 100%, 6B07502 - Standardization, certification and metrology (by industry) is 9 people, with academic degrees and titles of candidates of science - 7, PhD - 2, which is 100%. The degree of teaching staff of accredited EPs is 95%

Achievements of the teaching staff of the departments are marked by awards, which is confirmed by the presence of certificates, diplomas and diplomas.

An interview with the teaching staff of the accredited cluster confirmed the support from the employer and the availability of favorable conditions for their work. Identification of the needs of the teaching staff is carried out through the mechanisms of questioning the teaching staff, discussing issues at the collegiate bodies of the university (meetings of the department, EMC, administration, academic council).

The management of the EP provides opportunities for career growth for teaching staff. To this end, competitive commissions are held annually to fill vacant positions.

The management of the university systematically works to motivate the professional and personal development of EP teachers. The participation of teaching staff in various competitions and international projects is encouraged. One of the instruments of such encouragement is the system of payment categories, which takes into account the publication activity of scientists and teachers, participation in scientific projects commissioned by the Ministry of Education and Science of the Republic of Kazakhstan and other forms of scientific and pedagogical activity.

Academic mobility of teaching staff is one of the important areas of international and educational activities in the field of improving the quality of higher and postgraduate education of the university. It is held with the aim of raising the professional, cultural and educational level of students and teachers, establishing external and internal integration ties and strengthening the prestige of the university. The program of incoming academic mobility is being developed at the accredited departments.

To strengthen the practical orientation of the educational process, production specialists are invited to conduct classes. Within the framework of EP 6B07502 - Standardization, certification and metrology (by industry), the practice of attracting practicing teachers is actively implemented, in the 2022-2023 academic year 6 practicing teachers participate in the implementation of the accredited EP: Omarova Zh., Asilbekov Sh.B., Kөpzhassar M .Zh., Duysebaeva K.K., Bekenova D.S., Jasinbekov O.A.

Based on the results of the survey of teaching staff and students, the following answers were received to the questions: assess the adequacy of recognition of the potential and abilities of teachers - satisfactory answers of 90.2% of respondents; how does your workload meet your expectations and abilities? – Satisfactory answers of 87.8% of the surveyed teaching staff.

Analytical part

Based on the results of the analysis in the context of the “Teaching staff” standard, the commission came to the conclusion that the University as a whole has an objective and transparent personnel policy.

All teaching staff meet the qualification requirements for educational activities in accordance with the Law of the Republic of Kazakhstan "On Education". The main indicators of the success of the implementation of the personnel policy are the improvement of the quality level of the teaching staff. In this direction, the university is carrying out purposeful work, as evidenced by the steady qualitative growth of teaching staff.

The management of the university has developed a mechanism and is systematically working to motivate the professional and personal development of EP teachers. One of the instruments of such encouragement is the system of payment categories, which takes into account the publication activity of scientists and university teachers.

The teaching staff of the department uses the classical presentation of educational material for students of accredited EPs. However, the faculty of the department needs to continue to develop the skills of using information and communication technologies and software in the educational process, developing massive open online courses and posting on the university website.

Analyzing the EP on filling the standard "Teaching staff" in accredited areas, the commission notes:

Strengths / best practice EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- The university has demonstrated an objective and transparent personnel policy, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff;
- guidance OP 6B07502 - Standardization, certification and metrology (by industry) has demonstrated the effectiveness of actively involving practitioners working in the field of standardization and metrology in teaching.

EEC recommendations for the "Students" standard according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: no

Conclusions of the EEC according to the criteria:

According to the standard "Teaching staff" according to

- EP 6B07502 - Standardization, certification and metrology (by industry): have 2 - strong, 7 - satisfactory positions;
- EP 6B11201 - Occupational health and safety: they have 1 - strong, 8 - satisfactory positions.

6.8 Standard "Educational resources and student support systems"

- The university must guarantee the compliance of the infrastructure, educational resources, including material and technical, with the goals of the educational program.
- The management of the EP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment to ensure the achievement of the objectives of the EP.
- The university must demonstrate the compliance of information resources with the needs of the university and the implemented EP, including in the following areas:
 - technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs);
 - library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases;
 - examination of the results of research, final works, dissertations for plagiarism;
 - access to educational Internet resources;
 - functioning of WI-FI in its territory.
- The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students.
- The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy.
- The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling.
- The management of the EP should show the existence of conditions for the advancement of the student along an individual educational trajectory.
- The university must take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs).
- The university must ensure that the infrastructure meets the safety requirements.

Evidence

The University shall ensure that sufficient, accessible and appropriate educational resources and student support services are available. The corresponding development of the infrastructure used for the implementation of the EP is carried out based on the results of monitoring the satisfaction with the infrastructure by students, teachers, employees and other interested parties. When distributing, planning and providing educational resources, the university takes into account the needs of various groups of students.

Upgraded and updated Wi-Fi equipment that provides access to the local network of the University and the Internet, covers the main crowded places with a wireless network, which is available to students, teaching staff and staff.

The electronic catalog (EC) of the library was created on the basis of the automated library system "MegaPRO" - a new generation web-system built on the basis of "cloud" technologies.

All services for readers are available both on a regular computer and in the mobile version of the "Electronic Library" module, adapted for mobile devices.

EEC members established that all registered students and teaching staff remotely get access to EC and EBV <http://e-lib.satbayev.university/MegaPro/Web>. The fund of the university's electronic library provides access to 15,000 units of electronic information in the areas of educational programs.

To help researchers, the library page contains manuals and materials on scientometrics; on the website of the university in the section "Science" - instructions for using databases, registering in the database (Web of Science, Scopus, ORCID, eLIBRARY, Google Scholar, RSCI).

The university uses various measures to evaluate the effectiveness of research, passing the examination of final papers, dissertations for plagiarism.

Educational buildings, dormitories comply with current sanitary standards, fire safety requirements and qualification requirements for the organization of educational activities. In order to ensure the safety of students and employees, all educational buildings of the University are equipped with fire and security alarm systems.

Based on the results of the survey of teaching staff and students, the following answers were received to the questions: how do you assess the availability of the necessary scientific and educational literature in the library for teachers - 48.8% of the respondents "very good", "good" - 51.2% of the respondents; providing students with a hostel - satisfactory answers of 88.3% of respondents; equal opportunities are provided for all students - 88.3% of respondents answered satisfactorily.

Analytical part

The EEC confirms the existence of student support systems, including support through the university website, during a visual inspection of the facilities of the material base, the members of the expert commission made sure that the accredited EPs are provided with the necessary conditions for educational and material assets to ensure the educational process. The university has a sufficient amount of computer equipment and software. The amount of library resources is adequately reflected. All theses, educational and methodical works of the teaching staff, subject to publication or publication, are checked to prevent plagiarism.

Analyzing the EP on the content of the standard "Educational Resources and Student Support Systems" in accredited areas, the commission notes:

Strengths/best practice OP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety have not been identified.

Recommendations of the EEC according to the standard according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: no.

Conclusions of the EEC according to the criteria:

According to the standard "Educational resources and student support systems" according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: 9 criteria of this standard have satisfactory positions.

6.9 Public information standard

The university guarantees that the published information is accurate, objective, up-to-date and reflects all the activities of the university within the framework of the educational program.

Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.

The management of the university should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and interested parties.

Information about the educational program is objective, up-to-date and should include:

the purpose and planned results of the EP, the qualifications to be awarded; information and the system for assessing the educational achievements of students; information about academic mobility programs and other forms of cooperation with partner universities, employers; information about the opportunities for the development of personal and professional competencies of students and employment; data reflecting the positioning of the EP in the market of educational services (at the regional, national, international levels).

- An important factor is the publication on open resources of reliable information about teaching staff, in the context of personalities.*
- The university must publish audited financial statements for the EP on its own web resource.*
- The university should post information and links to external resources based on the results of external evaluation procedures.*
- An important factor is the placement of information about cooperation and interaction with partners, including scientific / consulting organizations, business partners, social partners and educational organizations.*

Evidence

The University is consistently implementing a public information strategy. The university, based on the principle of transparency, provides the public with information about its activities, including ongoing programs, expected learning outcomes for these programs, qualifications awarded, teaching, learning, assessment procedures, passing scores and learning opportunities provided to students, as well as information about employment opportunities graduates. The process is managed by the Career Center in accordance with the internal documents of the university.

Information about the activities of the university is presented on the pages "About the University" and "Basic Provisions". The "Quality Assurance Guarantees" page outlines the priority areas of the university's activities, as well as its achievements in providing students with quality education and scientific work.

On the website of the university there is a "Rector's Blog", in which everyone can ask a question to the first head of the university and get an answer. Frequently asked questions are highlighted in a separate section. Since 2019, the Facebook page of the Rector of Satbayev University has been functioning. Posts, links, orders and orders of the rector are published on the page.

The university operates a public information system on the Internet, consisting of publications on the university website and social networks (Facebook, Vkontakte, Youtube), there is a university PR program aimed at working with traditional and electronic media.

The university website contains information on all departments, educational programs, teaching staff, including personal pages, scientific projects, international cooperation and industrial projects. Materials for the official website of the university are translated into Kazakh and English. Translations into Kazakh and English for the official website of the university are checked by the Data Center.

The site contains complete information about all teachers working at the university. Each teacher has a profile containing a photo of the teacher, information about his scientific achievements and interests, syllabuses. In addition to the Satbayev.university website, this system includes the Polytech Online distance learning portal, integrated with the university's educational portal.

Analytical part

The EEC confirms the availability of information resources: booklets, newspapers, and social networks. Students have access to materials of educational, methodological, organizational, methodological and information support of the educational process in two languages of instruction: Kazakh and Russian. All materials are available to students on the University portal.

Every year after the start of the new academic year, the Board holds a reporting meeting as part of the annual meeting with university staff, where the Rector and Vice-Rectors of the University speak.

Satbayev University has a complete system of information support for students and

teachers based on the Web site for all educational programs. On the pages dedicated to admission, descriptions of educational programs by level of training are available. Each educational program has a description containing a description of employment opportunities after graduation, as well as training conditions.

Experts note that the website of the university provides information on the rules for admission of applicants, educational programs, terms and form of training, contact information, but not all areas of the university's activities are covered. The following information was not found on the site: the contingent of students, taking into account the dynamics, information about the system for assessing the educational achievements of students, information about academic mobility programs, information about the international relations of the university in the context of EP, information about the creative activity of students and teaching staff, information about research work students about employment opportunities. Also, the commission notes that the university website does not contain information about the uniqueness and individuality of EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety.

Based on the results of interviews, familiarization with various documentation, material and technical base and information and methodological resources of the university and departments, questioning of students and teaching staff, EEC IAAR notes the following:

Strengths/best practice EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: not identified.

Recommendations of the EEC according to the standard EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety:

- EP managers to supplement the information on the university website showing the interaction of the cluster EP with scientific organizations and educational organizations implementing such educational programs, as well as to supplement information on the specifics of the accredited educational program (graduate model, the contingent of students in the accredited EP, taking into account the dynamics; information about the system assessment of the educational achievements of students; about academic mobility programs; information about cooperation and interaction with partners, information about the creative activity of students and teaching staff, information about scientific projects, about employment opportunities). Implementation timeline: by the beginning of the 2023-2024 academic year.

EEC conclusions by criteria

According to the standard "Informing the public" according to EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety: 9 criteria of this standard have satisfactory positions, 1 - suggests improvements.

(VII) OVERVIEW OF STRENGTHS/BEST PRACTICE FOR EACH STANDARD

According to the standard "Management of the educational program":

- ensuring the active participation of representatives of the teaching staff, students and employers in the composition of the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.

According to the "Information Management and Reporting" standard:

- the organization of education has demonstrated the availability of an effective system for collecting, analyzing and managing information in all areas of activity based on the use of modern information and communication technologies and software tools and software tools HeRo Study Space and LMS Polytechonline.

According to the standard "Development and approval of the educational program":

- guidance EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety create opportunities to facilitate the preparation of students for professional certification.

According to the standard "Student-Centered Learning, Teaching and Assessment":

- the management of the EP demonstrated the high efficiency of the procedure for responding to complaints from students through the functioning of the disciplinary councils of the institutes.

According to the standard "Teaching staff":

- The university has demonstrated an objective and transparent personnel policy, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff;

- guidance OP 6B07502 - Standardization, certification and metrology (by industry) has demonstrated the effectiveness of actively involving practitioners working in the field of standardization and metrology in teaching.

(VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY FOR EACH STANDARD

According to the standard "Management of the educational program":

- In the 2023-2024 academic year, the university management needs to create an internal regulatory document (or make appropriate additions to the Regulation on the development of educational programs), describing the uniform requirements for the development plans for the development of educational programs of the university, taking into account:

- analysis of the functioning of the educational program, its real positioning and demand in the market of educational services;
 - specific indicative indicators, indicating the timing of implementation for the main activities of a particular EP;
 - involvement of employers, students and teaching staff in the preparation of the EP development plan;
 - determining the individuality and uniqueness of the EP development plan within the real positioning of the university;
 - a mechanism for monitoring the implementation and regular revision of the EP development plan.
- to ensure individuality and uniqueness in development plans, determine the advantages of accredited EPs, develop EP development plans indicating specific indicators, deadlines and those responsible for implementation based on strategic planning in accordance with national priorities and the development strategy of the organization of postgraduate education; systematically analyze risk management at the level of the structural unit and EP. (Start to implement them from the 2024-2025 academic year).
- in the procedures for the formation of EP development plans and other strategic and operational planning documents, provide for risk analysis and assessment, scenarios for the implementation of activities depending on the identified risks, guarantees for achieving the planned results (start their implementation from the 2024-2025 academic year).
- by the beginning of the 2024-2025 academic year, the leadership of the EP to develop an action plan for the introduction of new innovative teaching and assessment methods, including their own, into the educational process, as well as provide feedback on the effectiveness of their use.

According to the standard "Development and approval of the educational program":

- The management of the EP to ensure the availability of the developed model of the EP graduate, describing the learning outcomes and personal qualities, with placement on the university website by the beginning of the 2023-2024 academic year;
- the management of the EP to develop mechanisms for the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality by the beginning of the 2023-2024 academic year.

According to the standard "Continuous monitoring and periodic evaluation of the educational program":

- The management of the EP is recommended to develop a mechanism and ensure that stakeholders are informed about all planned or undertaken actions within the framework of EP 6B07502 - Standardization, certification and metrology (by industry) and 6B11201 - Occupational health and safety from the 2023-2024 academic year;
- based on the results of the revision and amendments to the accredited study programs, ensure the publication on the university website of the results of the amendments made from the 2023-2024 academic year.

According to the standard "Student-Centered Learning, Teaching and Assessment":

- *From the 2023-2024 academic year, on an annual basis, prepare a plan for the development and implementation in the educational process of the teaching staff's own research in the field of teaching methods of academic disciplines. Ensure the dissemination of information about the results of their own research.*

According to the standard "Informing the public":

- *EP managers to supplement the information on the university website showing the interaction of the cluster EP with scientific organizations and educational organizations implementing such educational programs, as well as to supplement information on the specifics of the accredited educational program (graduate model, the contingent of students in the accredited EP, taking into account the dynamics; information about the system assessment of the educational achievements of students; about academic mobility programs; information about cooperation and interaction with partners, information about the creative activity of students and teaching staff, information about scientific projects, about employment opportunities). Implementation timeline: by the beginning of the 2023-2024 academic year.*



(IX) OVERVIEW OF THE RECOMMENDATION FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION

No recommendations

(X) RECOMMENDATION TO THE ACCREDITATION BOARD

The external expert commission made a unanimous decision to recommend to the Accreditation Council educational programs 6B07502 Standardization, certification and metrology (by industry) and 6B11201 Occupational health and safety of the Non-profit Joint Stock Company "Kazakh National Research Technical University named after K.I. Satpayev" to accredit for a period of 5 (five) years.



Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" (EX-ANTE)

The conclusion of the external expert commission based on the results of the quality assessment
educational program

6B07502 - Standardization, certification and metrology (by industry)

Non-profit joint stock company "Kazakh National Research Technical University named after K.I. Satpaev"

No.	No	Criteria for evaluation	Position of the educational organization			
			strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1.	The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between scientific research, teaching and learning.		+		
2	2.	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of EP.		+		
3	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.		+		
4	4.	The management of the EP demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the real positioning of the EO and the orientation of its activities to meet the needs of the state, employers, students and other interested persons. The plan should contain the deadlines for the start of the educational program.			+	
5	5.	The management of the EP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the EP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the operating system.			+	
6	6.	The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of a development plan for the EP.				
7	7.	The management of the EP must demonstrate the individuality and uniqueness of the development plan of the EP, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education			+	
8	8.	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the EP, an unambiguous distribution of staff duties, and the differentiation of functions of collegial bodies.		+		
9	9.	The management of the educational institution must provide evidence of the transparency of the educational program management system.		+		
10	10.	The management of the EP must demonstrate the presence of an internal		+		

		The quality assurance system of the EP, including its design, management and monitoring, their improvement, and fact-based decision-making.				
11	11.	The management of the EP should carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.			+	
12	12.	The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
13	13.	The EO should demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.			+	
14	14.	The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons.		+		
15	15.	The management of the OP should be trained in educational management programs.		+		
Total by standard			1	9	5	0
Standard “Information Management and Reporting”						
16	1.	The EO should demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods for collecting and analyzing information in the context of the EP.	+			
17	2.	The management of the EP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	The management of the EP should demonstrate fact-based decision-making.		+		
19	4.	A system of regular reporting reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research, should be provided within the framework of the EP.		+		
20	5.	The EO should establish the frequency, forms and methods of assessing the management of the EP, the activities of collegial bodies and structural units, senior management, and the implementation of scientific projects.		+		
21	6.	The EO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data.		+		
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
23	8.	The management of the EP should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.		+		
24	9.	The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP.		+		
25	10.	The EO should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.		+		
		<i>The information intended for collection and analysis within the framework of the EP should take into account:</i>				
26	11.	key performance indicators;		+		

27	12.	dynamics of the contingent of students in the context of forms and types;		+		
28	13.	academic performance, student achievements and expulsion;		+		
29	14.	satisfaction of students with the implementation of the OP and the quality of education at the university;		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The EO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent		+		
Total by standard			1	15	0	0
Standard "Development and approval of the educational program"						
32	1.	The EO should define and document the procedures for the development of the EP and their approval at the institutional level		+		
33	2.	The management of the EP should ensure that the developed EP meets the established goals, including the expected learning outcomes		+		
34	3.	The management of the EP should demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social request of society		+		
35	4.	The management of the EP should ensure the availability of developed models of the graduate of the EP, describing the learning outcomes and personal qualities		+		
36	5.	The management of the EP must demonstrate the conduct of external examinations of the content of the EP and the planned results of its implementation		+		
37	6.	The qualification assigned upon completion of the EP must be clearly defined and correspond to a certain level of the NSC and QF-EHEA		+		
38	7.	The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
30	8.	An important factor is the possibility of training students for professional certification	+			
40	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality		+		
41	10.	The management of the EP should ensure that the content of the academic disciplines and the planned results correspond to the level of training (bachelor's, master's, doctoral studies)		+		
42	11.	The structure of the EP should provide for various types of activities that ensure that students achieve the planned learning outcomes		+		
43	12.	An important factor is the correspondence of the content of the EP and the results of the EP training implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
Total by standard			1	11	0	0
Standard "Continuous monitoring and periodic evaluation of educational programs"						
44	1.	The EO should define mechanisms for monitoring and periodic evaluation of the EP to ensure the achievement of the goal and meet the needs of students, society and show the orientation of the mechanisms for the continuous improvement of the EP		+		
		<i>Monitoring and periodic evaluation of the EP should include:</i>				
45	2.	the content of programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;		+		
46	3.	changes in the needs of society and the professional environment;		+		
47	4.	workload and academic performance of students;		+		

48	5.	effectiveness of student assessment procedures;		+		
49	6.	expectations, needs and satisfaction of students with training in EP;		+		
50	7.	the educational environment and support services, and their compliance with the goals of the ADVANCED		+		
51	8.	The management of the EP should demonstrate a systematic approach to monitoring and periodic evaluation of the quality of the EP		+		
52	9.	O, the management of the EP should define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP			+	
53	10.	All changes made to the EP must be published			+	
Total by standard			0	8	2	0
The standard "Student-centered learning, teaching and assessment of academic performance"						
54	1.	The management of the EP should ensure respect and attention to different groups of students and their needs, provide them with flexible learning paths.		+		
55	2.	The management of the EP should provide for the use of various forms and methods of teaching and learning.		+		
56	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines of the EP.		+		
57	4.	The management of the EP should demonstrate the existence of feedback mechanisms for the use of various teaching methods and evaluation of learning outcomes.		+		
58	5.	The management of the EP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
59	6.	The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.	+			
60	7.	The EO should ensure consistency, transparency and objectivity of the mechanism for evaluating the results of the training of the EP, including the appeal		+		
61	8.	The EO should ensure that the procedures for evaluating the learning outcomes of students of the EP are consistent with the planned results and goals of the program, the publication of criteria and evaluation methods in advance		+		
62	9.	The EO should define mechanisms to ensure that each graduate of the EP achieves learning outcomes and ensures the completeness of their formation		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
Итого по стандарту			1	9	0	0
Standard «Students»						
64	1.	The EO must demonstrate the existence of a policy for the formation of a contingent of students in the context of the EP, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion)		+		
		<i>The management of the OP should determine the order of formation of the contingent of students based on:</i>				
65	2.	minimum requirements for applicants;		+		
66	3.	the maximum size of the group during seminars, practical, laboratory and studio classes;		+		
67	4.	forecasting the number of state grants;		+		
68	5.	analysis of available material and technical, information resources, human resources;		+		

69	6.	analysis of potential social conditions for students, including the provision of places in the dormitory		+		
70	7.	The management of the educational institution should demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The EO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	9.	The EO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
73	10.	The EO should provide an opportunity for external and internal mobility of students of the EP, as well as readiness to assist them in obtaining external grants for training		+		
74	11.	The management of the EP should demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain communication with them.		+		
75	12.	The EO should provide for the possibility of providing graduates of the EP with documents confirming the qualifications obtained, including the achieved learning outcomes, as well as the context, content and status of the education received and certificates of its completion		+		
Total by standard			0	12	0	0
Standard "Teaching staff"						
76	1.	The EO should have an objective and transparent personnel policy, including in the context of the OP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	2.	The EO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the EP		+		
78	3.	The management of the EP should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them		+		
79	4.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The EO should determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the EO, and other strategic documents		+		
81	6.	The EO should provide opportunities for career growth and professional development of the teaching staff of the EP		+		
82	7.	The management of the OP should demonstrate readiness to involve practitioners of relevant sectors of the economy in teaching		+		
83	8.	The EO should demonstrate the motivation of the professional and personal development of the teachers of the EP, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods		+		
84	9.	An important factor is the readiness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers		+		
Total by standard			2	7	0	0
Standard "Educational resources and student support systems"						
85	1.	Standard "Educational resources and student support systems"		+		

86	2.	The EO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working, foreign students, as well as students with disabilities)		+		
87	3.	The management of the EP should demonstrate the existence of support procedures for various groups of students, including information and counseling		+		
		<i>The management of the EP must demonstrate compliance of information resources with the specifics of the OP, including:</i>				
88	4.	technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs);		+		
89	5.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
90	6.	examination of research results, graduation papers, dissertations for plagiarism;		+		
91	7.	access to educational Internet resources;		+		
92	8.	Functioning of WI-FI on the territory of the educational organization.		+		
93	9.	The EO demonstrates the planning of providing the EP with educational equipment and software tools similar to those used in the relevant sectors of the economy		+		
Total by standard			0	9	0	0
The standard "Informing the public"						
		<i>The EO must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:</i>				
94	1.	expected learning outcomes of the implemented educational program;		+		
95	2.	qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96	3.	teaching and learning approaches, as well as the system (procedures, methods and forms) of assessment;		+		
97	4.	Information about passing scores and educational opportunities provided to students;		+		
98	5.	information about graduate employment opportunities.		+		
99	6.	The management of the EP should provide for a variety of ways to disseminate information, including mass media, information networks to inform the general public and interested persons.		+		
100	7.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.		+		
101	8.	The NGO must demonstrate the reflection on the web resource of information characterizing it as a whole and in the context of the EP.		+		
102	9.	An important factor is the availability of adequate and objective information about the TS of the EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP.			+	
Total by standard				9	1	0
Amount			6	89	8	0

6 (5.8%) the parameter has the position "strong"

89 (86.4%) parameters have a position of "satisfactory"

8 (7.8%) parameters have the position "suggests improvement"

(... %) of the parameters have the position "suggests improvement"

**The conclusion of the external expert commission based on the results of the quality assessment
educational program
6B11201 - Occupational health and safety**

Non-profit joint stock company "Kazakh National Research Technical University named after K.I. Satpaev»

No.	No	Criteria for evaluation	Position of the educational organization			
			strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1.	The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between scientific research, teaching and learning.		+		
2	2.	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of EP.		+		
3	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.		+		
4	4.	The management of the EP demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the real positioning of the EO and the orientation of its activities to meet the needs of the state, employers, students and other interested persons. The plan should contain the deadlines for the start of the educational program.			+	
5	5.	The management of the EP demonstrates the existence of mechanisms for the formation and regular revision of the development plan of the EP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the operating system.			+	
6	6.	The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of a development plan for the EP.		+		
7	7.	The management of the EP must demonstrate the individuality and uniqueness of the development plan of the EP, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education			+	
8	8.	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the framework of the EP, an unambiguous distribution of staff duties, and the differentiation of functions of collegial bodies.		+		
9	9.	The management of the educational institution must provide evidence of the transparency of the educational program management system.		+		
10	10.	The management of the EP must demonstrate the presence of an internal The quality assurance system of the EP, including its design, management and monitoring, their improvement, and fact-based decision-making.		+		

11	11.	The management of the EP should carry out risk management, including within the framework of the EP undergoing primary accreditation, as well as demonstrate a system of measures aimed at reducing the degree of risk.			+	
12	12.	The management of the educational institution should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
13	13.	The EO should demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.			+	
14	14.	The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested persons.		+		
15	15.	The management of the OP should be trained in educational management programs.		+		
Total by standard			1	9	1	0
Standard “Information Management and Reporting”						
16	1.	The EO should demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods for collecting and analyzing information in the context of the EP.	+			
17	2.	The management of the EP should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	The management of the EP should demonstrate fact-based decision-making.		+		
19	4.	A system of regular reporting reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research, should be provided within the framework of the EP.		+		
20	5.	The EO should establish the frequency, forms and methods of assessing the management of the EP, the activities of collegial bodies and structural units, senior management, and the implementation of scientific projects.		+		
21	6.	The EO must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data.		+		
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
23	8.	The management of the EP should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.		+		
24	9.	The EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP.		+		
25	10.	The EO should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.		+		
		<i>The information intended for collection and analysis within the framework of the EP should take into account:</i>				
26	11.	key performance indicators;		+		
27	12.	dynamics of the contingent of students in the context of forms and types;		+		
28	13.	academic performance, student achievements and expulsion;		+		

29	14.	satisfaction of students with the implementation of the OP and the quality of education at the university;		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The EO must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documentary consent		+		
Total by standard			1	15	0	0
Standard "Development and approval of the educational program"						
32	1.	The EO should define and document the procedures for the development of the EP and their approval at the institutional level		+		
33	2.	The management of the EP should ensure that the developed EP meets the established goals, including the expected learning outcomes		+		
34	3.	The management of the EP should demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social request of society		+		
35	4.	The management of the EP should ensure the availability of developed models of the graduate of the EP, describing the learning outcomes and personal qualities		+		
36	5.	The management of the EP must demonstrate the conduct of external examinations of the content of the EP and the planned results of its implementation		+		
37	6.	The qualification assigned upon completion of the EP must be clearly defined and correspond to a certain level of the NSC and QF-EHEA		+		
38	7.	The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
30	8.	An important factor is the possibility of training students for professional certification	+			
40	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality		+		
41	10.	The management of the EP should ensure that the content of the academic disciplines and the planned results correspond to the level of training (bachelor's, master's, doctoral studies)		+		
42	11.	The structure of the EP should provide for various types of activities that ensure that students achieve the planned learning outcomes		+		
43	12.	An important factor is the correspondence of the content of the EP and the results of the EP training implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
Total by standard			1	11	0	0
Standard "Continuous monitoring and periodic evaluation of educational programs"						
44	1.	The EO should define mechanisms for monitoring and periodic evaluation of the EP to ensure the achievement of the goal and meet the needs of students, society and show the orientation of the mechanisms for the continuous improvement of the EP		+		
		<i>Monitoring and periodic evaluation of the EP should include:</i>				
45	2.	the content of programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;		+		
46	3.	changes in the needs of society and the professional environment;		+		
47	4.	workload and academic performance of students;		+		
48	5.	effectiveness of student assessment procedures;		+		

49	6.	expectations, needs and satisfaction of students with training in EP;		+		
50	7.	the educational environment and support services, and their compliance with the goals of the ADVANCED		+		
51	8.	The management of the EP should demonstrate a systematic approach to monitoring and periodic evaluation of the quality of the EP		+		
52	9.	O, the management of the EP should define a mechanism for informing all interested parties about any planned or taken actions in relation to the EP			+	
53	10.	All changes made to the EP must be published			+	
Total by standard			0	8	0	0
The standard "Student-centered learning, teaching and assessment of academic performance"						
54	1.	The management of the EP should ensure respect and attention to different groups of students and their needs, provide them with flexible learning paths.		+		
55	2.	The management of the EP should provide for the use of various forms and methods of teaching and learning.		+		
56	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines of the EP.		+		
57	4.	The management of the EP should demonstrate the existence of feedback mechanisms for the use of various teaching methods and evaluation of learning outcomes.		+		
58	5.	The management of the EP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
59	6.	The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.	+			
60	7.	The EO should ensure consistency, transparency and objectivity of the mechanism for evaluating the results of the training of the EP, including the appeal		+		
61	8.	The EO should ensure that the procedures for evaluating the learning outcomes of students of the EP are consistent with the planned results and goals of the program, the publication of criteria and evaluation methods in advance		+		
62	9.	The EO should define mechanisms to ensure that each graduate of the EP achieves learning outcomes and ensures the completeness of their formation		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
Итого по стандарту			1	9	0	0
Standard «Students»						
64	1.	The EO must demonstrate the existence of a policy for the formation of a contingent of students in the context of the EP, ensure transparency and publication of its procedures governing the life cycle of students (from admission to completion)		+		
		<i>The management of the OP should determine the order of formation of the contingent of students based on:</i>				
65	2.	minimum requirements for applicants;		+		
66	3.	the maximum size of the group during seminars, practical, laboratory and studio classes;		+		
67	4.	forecasting the number of state grants;		+		
68	5.	analysis of available material and technical, information resources, human resources;		+		
69	6.	analysis of potential social conditions for students, including the provision of places in the dormitory		+		

70	7.	The management of the educational institution should demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The EO must demonstrate compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	9.	The EO should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
73	10.	The EO should provide an opportunity for external and internal mobility of students of the EP, as well as readiness to assist them in obtaining external grants for training		+		
74	11.	The management of the EP should demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain communication with them.		+		
75	12.	The EO should provide for the possibility of providing graduates of the EP with documents confirming the qualifications obtained, including the achieved learning outcomes, as well as the context, content and status of the education received and certificates of its completion		+		
Total by standard			0	12	0	0
Standard "Teaching staff"						
76	1.	The EO should have an objective and transparent personnel policy, including in the context of the OP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff	+			
77	2.	The EO must demonstrate the compliance of the personnel potential of the teaching staff with the specifics of the EP		+		
78	3.	The management of the EP should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them		+		
79	4.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The EO should determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the EO, and other strategic documents		+		
81	6.	The EO should provide opportunities for career growth and professional development of the teaching staff of the EP		+		
82	7.	The management of the OP should demonstrate readiness to involve practitioners of relevant sectors of the economy in teaching		+		
83	8.	The EO should demonstrate the motivation of the professional and personal development of the teachers of the EP, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods		+		
84	9.	An important factor is the readiness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers		+		
Total by standard			2	7	0	0
Standard "Educational resources and student support systems"						
85	1.	Standard "Educational resources and student support systems"		+		
86	2.	The EO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of educational institutions (adults, working, foreign students, as well as students with disabilities)		+		

87	3.	The management of the EP should demonstrate the existence of support procedures for various groups of students, including information and counseling		+		
		<i>The management of the EP must demonstrate compliance of information resources with the specifics of the OP, including:</i>				
88	4.	technological support for students and teaching staff (for example, online training, modeling, databases, data analysis programs);		+		
89	5.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
90	6.	examination of research results, graduation papers, dissertations for plagiarism;		+		
91	7.	access to educational Internet resources;		+		
92	8.	Functioning of WI-FI on the territory of the educational organization.		+		
93	9.	The EO demonstrates the planning of providing the EP with educational equipment and software tools similar to those used in the relevant sectors of the economy		+		
Total by standard			0	9	0	0
The standard "Informing the public"						
		<i>The EO must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:</i>				
94	1.	expected learning outcomes of the implemented educational program;		+		
95	2.	qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96	3.	teaching and learning approaches, as well as the system (procedures, methods and forms) of assessment;		+		
97	4.	Information about passing scores and educational opportunities provided to students;		+		
98	5.	information about graduate employment opportunities.		+		
99	6.	The management of the EP should provide for a variety of ways to disseminate information, including mass media, information networks to inform the general public and interested persons.		+		
100	7.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.		+		
101	8.	The NGO must demonstrate the reflection on the web resource of information characterizing it as a whole and in the context of the EP.		+		
102	9.	An important factor is the availability of adequate and objective information about the TS of the EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP.			+	
Total by standard				9	0	0
Amount			5	90	8	0

6 (5.8%) the parameter has the position "strong"

89 (86.4%) parameters have a position of "satisfactory"

8 (7.8%) parameters have the position "suggests improvement"

(... %) of the parameters have the position "suggests improvement"