



«АККРЕДИТТЕУ 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 standards of primary specialized accreditation of educational programs (Ex-ante)

7M11201 OCCUPATIONAL HEALTH AND SAFETY

8D07304 ENGINEERING SYSTEMS AND NETWORKS

8D07303 CIVIL ENGINEERING AND PRODUCTION OF BUILDING
MATERIALS AND STRUCTURES

8D07305 CIVIL ENGINEERING AND PRODUCTION OF BUILDING
MATERIALS AND STRUCTURES

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

Date of EEC visit: from April 19 to April 21, 2022

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

*Addressed to
Accreditation
Council of the IAAR*



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Almaty

April 21, 2022

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(I) LIST ABBREVIATIONS

BD - basic disciplines
SOSE - state obligatory standard education
DP - documented procedure
RET - remote educational technology
UNT - single national testing
ME&M - Mechanical Engineering and Modeling
ITP - individual training plan
CTL - credit technology learning
CED - catalog elective disciplines
MES RK - Ministry education and science Republic Kazakhstan
MEP - modular educational program
MTP - modular training plan
RDS - research of doctoral students
GED - general educational disciplines
EP - educational program
PD - profiling disciplines
RK - Republic Kazakhstan
RUP - worker training plan
QMS - system management quality
IWDS - independent Work doctoral students
IWDST - independent Work doctoral students under leadership teacher
TTP - typical training plan
EAS – educational and auxiliary staff
EMCS - educational and methodological complex of the specialty
EMW - educational and methodical Work
CPR- Center for Public Relations
EUMM - electronic educational methodological materials

(//) INTRODUCTION

In accordance with Order No. 44-22-OD dated February 23, 2022 General Director of the Independent Agency for Accreditation and Rating from April 19 to April 21, 2022, an external expert commission assessed the compliance of the educational programs listed below, including an external assessment of EP 7M11201 “Occupational health and safety”, 8D07304 “Engineering systems and networks”, 8D07303 “Civil engineering and production of building materials and structures”, 8D07305 “Civil engineering and production of building materials and structures” in NAO “Kazakh National Research Technical University named after K.I. Satbayev” (Almaty) to the standards of primary specialized accreditation of the educational program of the organization higher and postgraduate education of the NAAR (No. 68-18 / 1-OD dated May 25, 2018, first edition).

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs against the criteria of the IAAR standards, recommendations of the EEC for further improvement of educational programs and profile parameters of educational programs.

The composition of the WEC:

Chairman of the WEC IAAR -Lushchik Alexander Cheslavovich, Doctor of Physical and Mathematical Sciences, Professor, Head of the Laboratory of Physics of Ionic Crystals at the Institute of Physics of the University of Tartu (Tartu, Estonia).

WEC IAAR Coordinator –Niyazova Guliyash Balkenovna, project manager for institutional and specialized accreditation of universities (Nur-Sultan, Republic of Kazakhstan).

Cluster 1. Primary specialized accreditation

6B05103 Engineering ecology *Expert IAAR* - Berdenov Zharas Galimzhanovich, PhD, Associate Professor of the Eurasian National University. L.N. Gumilyov (Nur-Sultan, Republic of Kazakhstan).

Expert IAAR, student – Serikkaliev Tasbolat Serikkaliuly (Serikkaliev Tasbolat Serikkalievich), Executive Director of the Branch of the Alliance of University Students in the West Kazakhstan region (Uralsk, Republic of Kazakhstan).

7M08601 Water resources and water use *Expert IAAR* - Mukhamedzhanova Rufina Rinatovna, Director of the Quality Department of the Almaty University of Energy and Communications. G. Daukeeva (Almaty, Republic of Kazakhstan).

8D07104 Oil and gas and ore geophysics *Expert IAAR* – Lozhnikov Alexey Vladimirovich, Doctor of Technical Sciences, Professor of the National Technical University "Dnipro Polytechnic" (Dnipro, Ukraine).

Cluster 2. Primary specialized accreditation

6V07305 Transport construction, *Expert IAAR* - Rabat Ondabek Zhanakhmetuly, Doctor of Technical Sciences, Professor of the Kazakh Automobile and Road Academy named after. L.B. Goncharova (Almaty, Republic of Kazakhstan)

7M07320 Transport construction

6B07115 Technological machines and equipment *Expert IAAR* - Sembaev Nurbolat Sakenovich, Ph.D., Associate Professor of Toraigyrov University (Pavlodar, Republic of Kazakhstan).

(by Expert IAAR, student - Bekmyrza Zhumash Aitzhanuly, student of EP

industry) 8D07102 Technological machines and equipment (mechanical engineering) of Kostanay Regional University named after. A. Baitursynova (Kostanay, Republic of Kazakhstan).

8D07114
Nanomaterials and Nanotechnology *Expert* IAAR - Nazhipkyzy Meruert, Ph.D., Associate Professor of the Kazakh National University. al-Farabi (Almaty, Republic of Kazakhstan).

Cluster 3. Primary specialized accreditation

7M11201 **Hygiene and labor protection at work** *Expert* IAAR – Baitelesova Laura Ilyasovna, Ph.D., Associate Professor of the West Kazakhstan Innovation and Technology University (Uralsk, Republic of Kazakhstan).

8D07304
Engineering systems and networks *Expert* IAAR - Kolpakova Valentina Pavlovna, Doctor of Technical Sciences, Associate Professor of the East Kazakhstan Technical University. D. Serikbaeva (Ust-Kamenogorsk, Republic of Kazakhstan).

8D07305
Construction and production of building materials and structures *Expert* IAAR - Rakhimov Murat Amanzholovich, Ph.D., Associate Professor of Karaganda Technical University (Karaganda, Republic of Kazakhstan).

8D07303
Construction and production of building materials and structures. *Expert* IAAR - Saktaganova Nargul Amanovna, PhD, Associate Professor of Kyzylorda University. Korkyt ata (Kyzylorda, Republic of Kazakhstan).

Expert IAAR, employer - Pilipenko Yury Alexandrovich, Chairman International Association of Producers of Goods and Services "Expobest"(Almaty, Republic of Kazakhstan).

Cluster 4. Primary specialized accreditation

8D11301 **Transport services** *Expert* IAAR - Pak Yuriy Nikolaevich, Doctor of Technical Sciences, Professor of Karaganda Technical University (Karaganda, Republic of Kazakhstan).

7M04104 **Executive MBA** *Expert* IAAR – Inna Sidorova, MBA, Master of Science in Economics, Business Manager, BGC Partners, (London, United Kingdom).

8D04102
Management *Expert* IAAR - Arzaeva Maya Zhetkergenovna, PhD in Economics, Associate Professor of the Academy of Logistics and Transport (Almaty, Republic of Kazakhstan).

Expert IAAR, student - Kereeva Tansholpan Makhambetkyzy, 2nd year student of EP 7M04106 Aktobe Regional University. K. Zhubanova (Aktobe, Republic of Kazakhstan).

Cluster 5. Primary specialized accreditation

6B07114
Biomedical engineering *Expert* IAAR - Yurikova Oksana Yuryevna, PhD, Senior Lecturer of the Kazakh National University. al-Farabi (Almaty, Republic of Kazakhstan).

6B07112
Electronic and *Expert* IAAR - Zhumazhanov Serik Karatayevich, Ph.D., Senior Lecturer, Kazakh Agrotechnical University. S. Seifullina (Nur-Sultan,

**Electrical
Engineering**

Republic of Kazakhstan).

**8D06105
Information
security systems**

Expert IAAR - Shunkeev Kuanyshbek Shunkeevich, Doctor of Physical and Mathematical Sciences, Professor of the Aktobe Regional University. K. Zhubanova (Aktobe, Republic of Kazakhstan).

**6B07112
Electronic and
Electrical
Engineering**

Expert IAAR, student - Zhanel Sairanovna Talipova, 2nd year student of EP 7M07105 Automation and Control of the Kazakh Agrotechnical University named after. S.Seifullina (Nur-Sultan, Republic of Kazakhstan).

Cluster 6. Primary specialized accreditation

**8D06104
Cybernetics and
artificial
intelligence**

Expert IAAR - Gnatushenko Vladimir Vladimirovich, Doctor of Technical Sciences, Professor of the National Technical University "Dnipro Polytechnic" (Dnipro, Ukraine).

**6B07106
Engineering
mechanics**

Expert IAAR - Bakhtiyar Balzhan Turepashkyzy, Ph.D., Associate Professor of the Academy of Logistics and Transport (Almaty, Republic of Kazakhstan).

**8D07110 Digital
engineering of
machinery and
equipment**

Expert IAAR - Andrei Kichuk, President of the National Agency for Quality Assurance in Education and Scientific Research - ANACEC (Chisinau, Moldova).

**8D07109 Innovative
technologies and
new inorganic
materials**

Expert IAAR - Mashan Togzhan Turgalievna, Ph.D., Associate Professor of the Eurasian National University. L.N. Gumilyov (Nur-Sultan, Republic of Kazakhstan).

Expert IAAR, student - Asylkhanova Dana Dauletkyzy, studying double-degree EP 7M07121 Nanomaterials and Nanotechnologies in Chemistry of the Kazakh National University. al-Farabi - Peoples' Friendship University of Russia (Almaty, Republic of Kazakhstan).

(III) REPRESENTATION OF EDUCATIONAL ORGANIZATION

Non-profit joint stock company "Kazakh National Research Technical University named after K.I. Satbayev" (hereinafter: university, university, KazNRTU named after K.I. Satbayev, Satbayev University) is one of the oldest educational institutions of the Republic of Kazakhstan.

The university was founded in 1934 as the Kazakh Mining and Metallurgical Institute. In the 30s of the XX century. in order to solve the problems of eliminating the technical and economic backwardness of the national economy, an urgent need arose for the development of higher technical education in the country. To solve this problem in the capital of Kazakhstan, Alma-Ata, the Kazakh Mining and Metallurgical Institute (KazMMI) was opened with two faculties: mining and non-ferrous metals. Education at KazMMI began on September 19, 1934.

The Institute played an important role in the formation and development of scientific and practical activities in the field of geology, mining, metallurgy of Kazakhstan. The scientific school, formed on the basis of the institute, made a great contribution to the development of the ore resource base of the republic and the organization of new technologies for mining and metallurgical production.

The university has become a base for providing engineering personnel to the industry of the republic and one of the main sources of personnel for scientific, state and public figures in Kazakhstan. Its history is connected with the names of such famous scientists and cultural figures as O. Baikonurov, K. Satpaev, Zh. Kanlybaeva, I. Yesenberlin, K. Valiev, Sh. Yessenov, A. al-Mashani, B. Sultanov, A. Zhumagaliev, A. Tolepbergen, B. Atankulov.

The merits of Academician K.I. Satbayev. Starting from the first graduation of mining geologists in 1937 - 1938, Kanysh Imantayevich was the chairman of the State Examination Commission. During the Great Patriotic War, he was a member of the Academic Council of the university.

In 1960, KazMMI was renamed into KazPTI - Kazakh Polytechnic Institute. In January 1980, the Institute of Architecture and Civil Engineering was opened in Alma-Ata, the basis for which was the architectural and civil engineering faculties of KazPTI, as well as the Alma-Ata branch of the All-Union Correspondence Civil Engineering Institute. The Institute was awarded the Order of the Red Banner of Labor; in 1999 the university was named after Academician K.I. Satbayev.

In January 1994, KazPTI named after V. I. Lenin was transformed into the Kazakh National Technical University (KazNTU), which was entrusted with the functions of training personnel for the country according to a multi-level structure adopted in world practice, as well as the development of curricula and training programs in technical specialties.

By the Decree of the Government of the Republic of Kazakhstan dated September 22, 1999, for special merits in the training of engineering and technical personnel of the country and in commemoration of the 100th anniversary of the birth of Academician Kanysh Imantayevich Satbayev, the Kazakh National Technical University was named after this outstanding Kazakh geologist.

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 KazNRTU named after K.I. Satbayev was renamed Satbayev University.

To date, Satbayev University has: 10 institutes, 6 research institutes, 27 departments, 3 scientific and educational centers, 114 teaching and research laboratories, 11 scientific laboratories, 2 training grounds. Satbayev University occupies a leading position in national and international rankings and is an associate member of 9 associations and consortiums in the field of education, science and technology. More than 50% of full-time employees have advanced degrees. Education is based on the credit system.

Information about the department "Engineering systems and networks".

Training of specialists in accredited educational programs EP 7M11201 Occupational Health and Safety and 8D07304 - Engineering Systems and Networks 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 12 people, of which 1 is a doctor of science, 6 are candidates of science, 4 are masters. Degree - 58%.

The contingent of students of accredited EPs of the graduating department, recruitment was made in 2021: EP 7M11201 "Hygiene and labor protection at work" - 3 undergraduates, of which: on the basis of a state educational grant - 3 people. EP 8D07304 - "Engineering systems and networks" - 2 doctoral students, of which: on a paid basis - 2 people.

Information about the department "Construction and building materials".

Training of specialists in accredited educational programs 8D07303 Construction and production of building materials and structures and 8D07305 Construction and production of building materials and structures started in 2019 at the Department of Construction and building materials with:

EP 8D07303, 8D07305 Construction and production of building materials and structures belongs to the group of the field of education 8D07 "Engineering, manufacturing and construction industries", the direction of training 8D073 "Architecture and construction".

The staff of the department. The total number of full-time teachers of the department is 34 people, of which 6 are Doctor of Technical Sciences, 13 are Candidates of Technical Sciences, 14 are Masters of Science, 1 is a civil engineer. Degree - 55.8%.

Within the framework of accredited EPs 8D07303 and 8D07305 the educational process is provided by 7 teaching staff, including doctors of science - 5; Candidates of Sciences - 2. The percentage of teaching staff with academic degrees for the implementation of the EP is 100%.

The contingent of students of accredited EPs: on EP 8D07303 "Construction and production of building materials and structures" - 8 doctoral students (including 8 in the state language), of which: on the basis of a state educational grant - 8 people; in EP 8D07305 Construction and production of building materials and structures - 7 doctoral students (including 7 in the state language), of which: on the basis of a state educational grant - 7 people.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational programs 7M11201 Occupational health and safety, 8D07304 Engineering systems and networks, 8D07303 Civil engineering and production of building materials and structures, 8D07305 Civil engineering and production of building materials and structures external assessment for compliance with the standards of primary specialized accreditation of the educational program (Ex-ante) of the organization of the higher and postgraduate education (introduced by order No. 68-18/1-OD dated May 25, 2018) are held for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program using a hybrid model in the NJSC "Kazakh National Research Technical University named after K.I. Satbayev" (primary specialized accreditation (Ex-ante) in the period from April 19 to April 21, 2022.

In order to coordinate the work of the EEC, on April 15, 2022, an introductory 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, offline / online meetings were held with the Chairman of the Board - the rector, vice-rectors, heads of structural divisions, directors of institutes, heads of departments, teachers, students. A total of 63 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	Quantity
Chief of Staff of the Board	1
Vice-rectors	4
Heads of structural divisions	19
Institute directors	6
Heads of departments	14
Teachers	10
Students	9
Total	63

During the tour, the members of the EEC got acquainted with the state of the material and technical base, with the historical museum, with specialized laboratories, computer classes, the library fund of the university, and the medical center.

At meetings using the hybrid model 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.

During the period of accreditation, a lesson was attended according to the accredited educational program 7M11201 "Hygiene and labor protection at work": a lecture on the subject "Safety issues in projects" on the topic "Liquidation of emergency situations of various nature" (master's program, 1st year), Ph.D., senior lecturer Nuruldaeva G.Zh. According to the accredited doctoral programs, classes in the spring semester are not provided for by the curriculum.

The experts made an online visit to the internship base of students of accredited EPs.

In accordance with the accreditation procedure, an online survey of 71 teachers, 41 students of the University 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, experts studied the Internet positioning of the university by damaging the official website of the university <https://satbayev.university>, <https://polytechonline.kz/login/index.php>, <https://sso.satbayev.university>.

As part of the planned program, recommendations for improving the accredited educational programs of NJSC "Kazakh National Research Technical University named after K.I. Satbayev", developed by the EEC based on the results of the examination, were presented at a meeting using a hybrid model with the leadership on 04/21/2022.

(VI) COMPLIANCE WITH THE STANDARDS OF PRIMARY SPECIALIZED ACCREDITATION (EX-ANTE)

6.1. Standard "Management of the educational program"

✓ *The university must demonstrate the development of the goal and EP development strategies based on the analysis of external and internal factors with the wide involvement of various stakeholders.*

✓ *The quality assurance policy should reflect the relationship between research, teaching and learning.*

✓ *The university demonstrates the development of a culture of quality assurance.*

✓ *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 ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of students, the state, employers and other stakeholders.*

✓ *The EP management demonstrates the functioning of the 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 leadership of the EP must demonstrate individuality and uniqueness EP development plan, its consistency with national development priorities and development strategy of the educational organization.*

✓ *The university must demonstrate a clear definition of those responsible for business processes within the framework of the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies.*

✓ *The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process.*

✓ *The EP management must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions.*

✓ *The management of the EP should carry out risk management.*

✓ *ManagementThe EP should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*

✓ *The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.*

✓ *The management of the EP must demonstrate its openness and accessibility for students, teaching staff, employers and other interested parties.*

✓ *The management of the EP confirms the completion of training in education management programs.*

✓ *ManagementThe PR should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.*

Evidence

In university a strategic planning system was presented, the management of the university

approved and operates a new Development Program of NJSC “KazNRTU named after K.I. Satbayev” for 2022-2026 (approved by the board of directors of the university on 31.01.2022, protocol No. 1), road map of NJSC “KazNRTU” named after K.I. Satbayev” for 2021-2025

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, Inner order rules, Code of Corporate Ethics (Rules of Service Ethics for KazNRTU Employees, Code of Academic Integrity, Code of academic honor of a student of KazNRTU named after K.I. Satbayev) and establish uniform requirements for the quality of the performance of professional duties by teachers and university 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 departments of the University bring the Policy to the attention of the teaching staff, employees, students, employers and other interested parties through information tools, explanations at all levels, are responsible for planning, implementing and improving quality within their functional duties. Specialty Councils have been created at the departments of the university, which regulate the structure of the EP and the content of specialized disciplines. For example, the Council of the Department "Construction and Building Materials" includes representatives from the teaching staff with industrial experience, 3rd year doctoral students (Kozyukova N.V., Also, the Academic Committees for the development of EPs began to function at the university. Academic committees (AC) were created to develop high-quality educational programs for master's and doctoral studies and ensure continuous updating of their content. As part of AC on EP 7M11201 - Hygiene and labor protection at work 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, and there are positive reviews on the EP 7M11201 - Occupational health and safety at work from the General Director of Vostok Mining Company LLP Tastanov E.A.; Head of the department for OSH regions "Bazis Construction" Taurbekov K.A.

Risk management is carried out in accordance with DP KazNRTU 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 meetings of departments, with discussing achievements and making necessary adjustments, if necessary.

The management of the EP is also open to all participants in the educational process: teaching staff of the department, undergraduates and doctoral students, hours are determined for reception on personal issues, chats in which current issues of students are resolved 24/7. 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 terms of feedback at the university (<https://official.satbayev.university/en/docs>).

According to the results of the survey of teaching staff and students, the following answers were received to the questions: to *How is the mission and strategy of the university reflected in innovative programs* - satisfactory answers of 97.2% of respondents; the involvement of

teaching staff in the process of making managerial and strategic decisions - satisfactory answers of 87.4% of the interviewed teaching staff.

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.

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

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.

According to the requirements of the standard, the commitment to quality assurance should apply to any activity performed by contractors or partners, including the implementation of joint / double-degree education, but the university has not demonstrated this type of activity.

The individuality of the cluster EP development plans is not clearly traced, the formulation of the uniqueness and individuality of the EP development plans and its consistency with national development priorities and the development strategy of the university is not detailed enough.

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 leadership of the EP demonstrated the management of innovations within the EP, nevertheless, the commission concluded that the analysis and implementation of innovative proposals from stakeholders in recent years should be improved.

The management of the EP has developed a plan for the development of the EP, however, at the time of checking the university website, information on the development and implementation of EP development plans is not available to stakeholders in it, although the university website is the main tool in terms of ensuring transparency in the implementation of the EP. The uniqueness and individuality of the development plan for the EP 3 cluster needs to be reviewed, since they are quite traceable there are no sections containing an analysis of possible risks in the implementation of the EP, 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

According to EP 8D07304 Engineering systems and networks:

- active participation of employers, students and teaching staff in the formation of EP development plans;

According to EP 8D07303 Construction and production of building materials and structures, 8D07305 Construction and production of building materials and structures:

-ensuring the active participation of representatives of employers, teaching staff, students and other interested parties 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.

WEC recommendations

1. Leadership of the EP 7M11201 Hygiene and labor protection at work, develop projects of joint educational programs with domestic or foreign universities by the beginning of the 2023-2024 academic year;

2. Management of the EP 7M11201 Hygiene and labor protection at work, 8D07304 Engineering systems and networks, 8D07303 Construction and production of building materials and structures, 8D07305 Construction and production of building materials and structures by the beginning of the 2022-2023 academic year specify in the EP Development Plan the uniqueness and individuality of the EP development plan, ensuring its consistency with national priorities and the demands of the modern labor market;

3. EP management 7M11201 Hygiene and labor protection at work, 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" by the beginning of the 2022-2023 academic year, develop an action plan to reduce the impact of risks associated with the design and implementation of the EP (including staffing, contingent formation, etc.), or introduce appropriate measures into the current EP development plans indicating specific indicators, deadlines and those responsible for implementation; systematically analyze risk management at the level of the structural unit and EP;

4. Management of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" by the beginning of the 2023-2024 academic year, create an innovation management mechanism within the EP and an opportunity for analysis and implementation of innovative learning technologies in the educational process.

Conclusions of the EEC according to the criteria:

According to the standard "Management of the educational program" for the accredited EP 7M11201 "Hygiene and labor protection at work" disclosed 15 criteria, of which 12 have a satisfactory position, 3 require improvement.

According to the standard "Educational Program Management" for the accredited EP 8D07304 - "Engineering systems and networks" disclosed 15 criteria, of which 2 have a strong position, 10 - satisfactory and 3 - suggests improvement.

According to the standard "Management of the educational program" for the accredited EP 8D07303 "Construction and production of building materials and structures", v 8D07305 "Construction and production of building materials and structures" disclosed 15 criteria, of which 1 - have strengths, 11 - have a satisfactory position, 3 - suggest improvement.

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 guidance 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 a mechanism for ensuring the protection of information, including determining the 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 management of the EP must demonstrate the existence of mechanisms for communication with students, employees and other interested parties, 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 university has implemented information management processes, including its collection and analysis. The materials provided demonstrated the use of information collection and analysis systems in the EP management processes. Management decisions are made based on the analysis of facts. The university ensures the timeliness, reliability, completeness of information and its safety, the functioning of the information and feedback system, focused on students, employees and stakeholders. The description of the standard reflects the main methods and forms of collecting and analyzing information, surveying information systems and software.

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 advisers 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 KazNRTU 706-45. The results of progress in the department.

According to the master's and doctoral programs according to the academic calendar and IEP, students provide a semester report and report at the meeting of the department on the results of research work on the topic of the dissertation.

The University uses both self-written and third-party information systems, such as: HR - Human Resources Management System, a portal for accepting applications for settling in Dormitories (Dormitory), mobile application of the Satbayev University educational portal for smartphones based on iOS and Android highly rated by students, the "Certification" module, the system of psychosomatic testing for the military department, the electronic Syllabus module, Laboratory - a tool for evaluating the effectiveness of scientific laboratories, etc.

The professional activities of the teaching staff of the accredited program are reflected in semi-annual and annual reports. Also, on the individual page of the teacher on the portal at the end of the academic year, teachers fill out a report on the implementation of the IEP, as a result of which a report on the work of the department is formed. Based on the discussion of the reports of the teaching staff, corrective actions are applied in various areas of the department's work, indicating the timing and actions to eliminate deficiencies and improve the activities of the department.

To improve the quality of training students, as well as to develop the EP in accordance with "DP KazNRTU 714. Questionnaire. Satisfaction score consumers» a survey is conducted to determine the satisfaction of students with the implementation of the EP and a survey of representatives of the practice bases, the results of which are reflected in the management analysis report and provided to interested parties. Based on the results of the satisfaction survey, corrective actions are taken.

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.

According to the results of the survey to the question received the following response:

- *Involvement of teaching staff in the process of making managerial and strategic decisions* "very good" - 28.2%; "good" - 59.2%; relatively bad - 11.3%, "bad" - 1.4% of the surveyed teaching staff.

Analytical part

university demonstrated the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software, and that it 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 performance, 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

At the same time, EEC experts note the absence of specific examples of the involvement of students and teaching staff of the EP in the processes of collecting and analyzing information, as well as making decisions based on them, and the work to ensure the reliability and timeliness of the analysis of information and its protection is not reflected.

Strengths/best practice

No strengths have been identified within this Standard.

WEC recommendations

1. EP management 7M11201 "Hygiene and labor protection at work" determine the criteria and systematize the assessment of the effectiveness and efficiency of the EP by the beginning of the 2022-2023 academic year;
2. Guideline EP 8D07304 "Engineering systems and networks" develop a mechanism for involving students and teaching staff in the process of collecting and analyzing information, as well as making decisions based on them by the beginning of the 2022-2023 academic year;
3. Guideline EP 8D07303 "Construction and production of building materials and structures" to determine the criteria and systematize the availability of a communication mechanism with students, employees and other interested parties, as well as conflict resolution mechanisms from the 2022-2023 academic year.

Conclusions of the EEC according to the criteria:

According to the standard "Management of the educational program" for the accredited EP 7M11201 "Hygiene and labor protection at work" disclosed 16 criteria, of which 16 have a satisfactory position.

According to the standard "Educational Program Management" for the accredited EP 8D07304 - "Engineering systems and networks" disclosed 16 criteria, of which fifteen -have a good position and 1 suggests improvement.

According to the standard "Information Management and Reporting" for accredited EP 8D07303, 8D07303 "Construction and production of building materials and structures" 16 criteria are disclosed, of which all 16 have a satisfactory position.

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 management of the EP 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, which describes 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 must 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 to the level of education (bachelor's, master's, doctoral studies).*
- ✓ *The management of the EP must demonstrate the conduct of external reviews 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 two-degree EP with foreign universities.*

Evidence

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

In the departments "Engineering systems and networks", "Construction and building materials" provides 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/obrazovatelnye-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 Rules of credit technology of education in KazNRTU named after K.I. Satbayev (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 planning and implementing 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.

An important factor is the correspondence between 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 Bologna process, in higher education, which is regulated Order of stay foreign students at NJSC KazNTU named after K.I. Satbayev 2019. (satbayev.university) and is aimed at the following academic support for students: academic mobility for mastering part of the educational program abroad; migration and visa support within the framework of the academic process.

Professional certification of students. For the EP 7M11201 "Occupational health and safety at work", 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". "Training course with obtaining a certificate for the right to conduct an environmental review of existing and projected enterprises" with the issuance of state-recognized certificates.

Qualifications awarded upon completion of accredited EPs are clearly defined and comply with the NSC.

The results of the survey of teaching staff showed: to what extent the content of the educational program satisfies the needs of the teaching staff - Satisfactory answers 95.7% of

respondents; how the attention of the management of the educational institution is paid to the content of the educational program -satisfactory answers 91.6% interviewed.

Analytical part

The developed EP reflects information about 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 given to the "Framework Model of the Satbayev University Graduate", however, it refers to the undergraduate level. There is no model of a doctoral graduate for the evaluated EPs on the university website.

The Commission notes that there are no joint EPs with foreign educational organizations for accredited EPs. KazNRTU named after K.I. Satbayev maintains close ties with Russian and foreign universities and research centers for accredited EPs, which contributes to the creation of joint EPs with them.

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 expertise educational programs.

The presented report of the EP does not reflect the issues of the availability of joint educational programs with foreign educational organizations, does not reflect the activities planned in this direction. And also, there are no specific 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 society, there is no information on conducting external examinations of the content of the EP and the planned results of its implementation.

At the time of the audit, EEC experts noted that the accredited EP 8D07305 "Construction and production of building materials and structures" was presented in the non-updated format in the EPVO REGISTER (i.e., in EP 8D07305 "Construction and production of building materials and structures", registration number No. 8D07300026, the studied disciplines are presented in the amount of 3 credits, although in the Modular Curriculum of 2019 the amount of academic credit for the studied disciplines is 5 credits, and in 2020 - 6 credits.)

Strengths/best practice

According to EP 7M11201 "Hygiene and labor protection at work" available the possibility of preparing students for professional certification by including disciplines in the QED: "Certified State Course on Occupational Safety and Health", "Training course with obtaining a certificate for the right to monitor the industrial safety of technological processes and equipment." "Training course with obtaining a certificate for the right to conduct an environmental review of existing and projected enterprises";

According to EP 8D07304 "Engineering systems and networks" shown involvement of external experts in reviewing the EP;

According to EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures", the content of the EP is in line with the established goals, including the expected learning outcomes.

WEC recommendations

1. Guidelines EP 7M11201 "Hygiene and labor protection at work" pConduct an analysis of the content of the EP with the EP of Kazakhstani and foreign partners, develop joint educational programs with foreign universities and begin their implementation. Deadlines: 2023-2024 academic year;

2. Management of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures";

structures" to ensure the availability of a developed model of a doctoral program graduate describing learning outcomes and personal qualities, with placement on the university website until 09/01/2022;

3. Leadership of the EP7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to develop mechanisms for the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality until 09/01/2022;

4. To the management of EP 8D07305 "Construction and production of building materials and structures" before the start of the 2022-2023 academic year, to make appropriate adjustments to the "Register of educational programs of higher education" on the content of academic credits of the studied disciplines.

Conclusions of the EEC according to the criteria:

According to the standard "Development and approval of the educational program" for the accredited EP 7M11201 "Hygiene and labor protection at work" disclosed 12 criteria, of which 1 has a strong position, 11 have a satisfactory position.

According to the standard for accredited EP 8D07304 - "Engineering systems and networks" "Development and approval of the educational program" disclosed 12 criteria, of which 1 has a strong position, 10 - satisfactory and 1 - suggests improvement.

According to the standard "Development and approval of an educational program" for accredited EP 8D07303, 8D07303 "Construction and production of building materials and structures", 12 criteria are disclosed, of which 1 has a strong position, 11 have a satisfactory position.

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

✓ *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;

the 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 different groups of learners and their degree of satisfaction organization of training, teaching, assessment, development of the EP as a whole.*

Evidence

Monitoring and periodic evaluation of the EP is aimed at achieving the goals of the EP and

the formation of learning outcomes.

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) EP (for example, by EP 7M11201 "Hygiene and labor protection at work": LLP "Mining and Ore Company Vostok"; Basis Construction LLP.). 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.

The progress of doctoral students is systematically monitored in the form of a discussion of the results of midterm controls and examination sessions in study groups. Conducting an annual analysis of the state of the educational process and the development of the EP allows the department to introduce corrective actions aimed at improving the EP.

According to the results of the survey of the teaching staff, it was found that: for 19.7% of the teaching staff, the workload meets their expectations and capabilities as "very good"; for 60.6% - "good".

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

Strengths/best practice

No strengths have been identified within this Standard.

WEC recommendations

1. The management of the EP is recommended to ensure that stakeholders are informed of all planned or taken actions in relation to EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of

building materials and structures», 8D07305 "Construction and production of building materials and structures" from the 2022-2023 academic year;

2. Based on the results of the revision and amendments to the accredited EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" to ensure the publication on the university website of the results of the changes made from the 2022-2023 academic year;

Conclusions of the EEC according to the criteria:

According to the standard "Continuous monitoring and periodic evaluation of educational programs" for accredited EP 7M11201 "Hygiene and labor protection at work", EP 8D07303, 8D07305 "Construction and production of building materials and structures" disclosed 10 criteria, of which 8 - have a satisfactory position, 2 - suggests improvement.

According to the standard "Continuous monitoring and periodic evaluation of educational programs" for the accredited EP 8D07304 - "Engineering systems and networks" disclosed 10 criteria, of which 9 has satisfactory positions and 1 suggests improvement.

6.5. Student-Centered Learning, Teaching and Assessment Standard

✓ *The management of the EP should ensure respect and attention to the 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 goals 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 correspond to 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 of 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 the assessment of learning outcomes.*

✓ *The management of the EP must demonstrate support for the autonomy of learners, while being guided and assisted by the teacher.*

✓ *The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.*

Evidence

The EP management identifies the needs of students by conducting surveys and filling out special forms on the educational portal, as well as using the SU solutions application specially developed by the university.

The university conducts systematic work to monitor the academic performance of students.

The mechanism for assessing the knowledge, skills and qualities acquired by students in the course of training is reflected in the following documents: Academic policy AP 029-03-01.1.11-2020, Regulations on Blended Learning technology (master's and doctoral studies) 2019, Regulations on the final certification (Undergraduate Thesis) P 029-03-18.1.02-2019, Regulations on checking graduation papers for plagiarism P 029-03-16.01.03-2017, Regulations on the appeal commission P 029-03-01.1.05-2020, Regulations on the organization and conduct of the examination session P 029-03-01.1.10-2020, Academic mobility DP KazNRTU 718. The implementation of the principles of academic honesty is ensured by the Code of Academic Integrity of NAO KazNRTU named after K.I. Satbayev K 029-03-18.1.01-2018.

Student-centered learning at a university is implemented by forming an individual curriculum for students with the help of an adviser (“Regulations on the adviser P 029-03-01.1.06-2020.”)(F KazNRTU 706-06),for each academic period, using a 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 KazNRTU 706 Assessment of knowledge and liquidation of debt).

During the academic year, when forming the EP, the needs of students are taken into account, including: the choice of a teacher, the language of teaching, class time and audience, the departments have schedules for consultations of teaching staff, additional information is provided in syllabuses by discipline, a doctoral student can also contact the teacher by e-mail . Classes are conducted using modern technologies and new teaching methods, research methods are used in teaching the discipline.To control the educational process, an electronic system is used - the Educational Portal of Satbayev University (sso.satbayev.university)

The teaching staff of the department "Construction and building materials" have their own developments for teaching academic disciplines (textbooks, electronic textbooks, teaching and methodological instructions for practical and laboratory classes), as well as assessment criteria and descriptors for all read profile disciplines.

Ensuring equal opportunities for students is achieved by the development of educational, methodological, organizational, methodological and information support for the educational process in two languages of instruction: Kazakh and Russian.

At the Institute of Architecture and Construction, by order of the director, a disciplinary council is created annually. The procedure for registering and considering incoming applications is described in DP 721"Consideration of appeals of citizens and legal entities".In general, a system has been formed at the university and a mechanism for handling complaints from students is functioning. Complaints against an appeal for interim control and appeals for current (rating) control are regulated by the Regulations on the Appeal Commission P 029-03-01.1.05-2020.

Members of the EEC IAAR note that inwithin the framework of the educational process in the preparation of undergraduates and doctoral students, the following innovative teaching methods and technologies are used: analysis of case situations (case-study), business and role-playing games; round table, discussion, debate, press conference, brainstorming, presentations.An example of the successful implementation of new developments in the field of teaching methods within the framework of EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures ”is the use of electronic textbooks, video lectures were recorded in the disciplines “Industrial ecology and industrial safety”, “Occupational safety management system”, “Engineering systems and networks”.

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 express full and partial satisfaction with: objectivity and fairness of teachers– 80.5%; teaching methods in general - 70.7%; fairness of examinations and certification– 82.9%; quick response to feedback from teachers regarding the educational process– 80.5%; equal opportunities are provided to all students - 65.9%.

Analytical part

The management of the EP ensures respect and attention to students and their needs, flexible learning paths are presented.

Teaching staff of accredited EPs use traditional and interactive teaching methods as part of the educational process. The university applies generally accepted assessment criteria and provides timely information about the assessment strategy used. The transparency of evaluation procedures and feedback from students is also ensured.

At the same time, the report does not contain examples of the presence of own developments of the teaching staff of the department in the field of teaching methods of academic disciplines EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures". Management of accredited EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures» did not demonstrate the passage of teaching staff of advanced training in the profile of the EP and in the field of modern methods for assessing learning outcomes. It is also necessary to determine the mechanisms for achieving each doctoral student of the EP 8D07304 "Engineering Systems and Networks" learning outcomes and the completeness of their formation.

Strengths/best practice

No strengths have been identified within this Standard.

WEC recommendations

1. Leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to prepare a plan for the development of their own research in the field of teaching methods for the academic disciplines of the EP by 01.01.2023;

2. Management of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to develop a plan for advanced training of teaching staff in the field of modern methods for assessing learning outcomes by the beginning of the 2022-2023 academic year;

3. Leadership EP 8D07304 "Engineering Systems and Networks" to determine the mechanisms for each doctoral student to achieve learning outcomes and the completeness of their formation by the beginning of the 2022-2023 academic year.

Conclusions of the EEC according to the criteria:

According to the standard "Student-centered learning, teaching and assessment" for accredited EP 7M11201 "Occupational health and safety at work", EP 8D07304 -

"Engineering systems and networks" disclosed 10 criteria, of which 9 - have a satisfactory position, 1 - suggests improvement.

According to the standard "Student-centered learning, teaching and performance assessment" for the accredited EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures", 10 criteria are disclosed, of which 10 have a satisfactory position.

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 study.*

✓ *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 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 the 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 evidentiary part is formed based on the results of the assessment of the quality of the TOE and / or the EP in accordance with the criteria of the Standard. This part provides evidence of the implementation of the criteria of the standard in the form of references to written documents (normative and analytical documents, self-assessment report, questionnaire results, etc.), and oral evidence (interview results) and any other available evidence.

To implement the policy of forming a contingent of students, the recruiting activities of the university are carried out on the basis of DP KazNRTU 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 of 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.

KazNRTU accepts persons with general secondary, technical and vocational, post-secondary, higher and postgraduate education. Admission of persons entering KazNRTU 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 right to receive higher education by foreigners on a competitive basis in accordance with the state educational order is determined by international treaties of the Republic of Kazakhstan.

Within the EP 8D07304 "Engineering systems and networks" there are foreign students - 2 people.

There is a growth trend in the enrollment of students. The dynamics of the enrollment of the contingent of students of EP 3 of the cluster is presented in Table 1.

Table 1 - Dynamics of the enrollment of the contingent of students in the context of accredited EPs

Academic year	Form of study	Total students	Of which grant	On a paid basis	Number of deducted
7M1120 "Occupational health and safety"					
2019-2020	full-time	0	0	0	0
2020-2021	full-time	0	0	0	0
2021-2022	full-time	3	3	0	0
8D07305 "Civil engineering and production of building materials and structures"					
2019-2020	full-time	3	3	0	0
2020-2021	full-time	5	5	0	0
2021-2022	full-time	7	7	0	0
8D07303 "Civil engineering and production of building materials and structures"					
2019-2020	full-time	3	3	0	0
2020-2021	full-time	5	5	0	0
2021-2022	full-time	eight	eight	0	0
8D07304 "Engineering systems and networks"					
2019-2020	full-time	0	0	0	0
2020-2021	full-time	0	0	0	0
2021-2022	full-time	2	0	2	0

To adapt and support students enrolled in the 1st year and foreign students, a Department of Youth and Sports, Young Scientists Council, Student service hostels, 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. As a result of the meetings Management of educational work tasks are developed to complete them on time.

The university provides an opportunity for academic mobility of EP students. Since 2011 has been successfully implementing academic mobility students in partner universities in the USA, the EU, Southeast Asia and the Russian Federation. According to the program of internal academic mobility of KazNRTU named after K.I. Satbayev cooperates with 15 leading universities of the Republic of Kazakhstan. The mechanism for recognizing learning outcomes mastered during academic mobility is reflected in the approved rules of credit technology, according to which the head of the registrar's office, the director of the institute and the vice-rector for academic affairs regulate and approve the transfer. This document is the basis for the transfer of credits for students of academic mobility. The contract itself with a foreign university is also fundamental, in which there are clauses describing in detail the process of implementing

this mobility program.

The University has 163 agreements, agreements and memorandums of cooperation with foreign universities, international organizations, firms, centers, academies of sciences from 20 countries of the world. During the reporting period, 49 cooperation agreements were concluded, including those for accredited EPs.

Acceptance of documents and holding a competition within the framework of the program "Academic Mobility" is carried out in accordance with the internal Documented Regulations "Academic Mobility" DP KazNRTU 718.

The departments have an established relationship with design organizations that take an active part in the development of educational programs, provide consulting services, provide places for research practices with the possibility of further employment of graduates.

The requirements for students to pass pedagogical practice are set out in DP KazNRTU 711-2, research practice - in DP KazNRTU 711-5 and scientific internship – in DP KazNRTU 711-4.

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

The main criterion for the completion of the educational process for the preparation of Doctors of Philosophy (PhD) (doctor in the field) is the development by a doctoral student of at least 180 academic credits, including all types of educational and scientific activities. Persons who have mastered the educational program of doctoral studies and defended a doctoral dissertation, with a positive decision of the dissertation councils of a university with a special status or the Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan, based on the results of the examination, are awarded the degree of Doctor of Philosophy (PhD) or Doctor of profile and a state diploma with an application (transcript) is issued.

The results of the student survey showed that: availability of academic counseling "fully satisfied" - 89.2%, "partially satisfied" - 17.1%; the quality of teaching Fully satisfied - 78%, partially satisfied - 22%.

Analytical part

The analytical part is formed based on the results of the analysis of the compliance of the evidence part with the criteria of the Standard. Describes possible reasons for, or provides explanations for, the TOE and/or EP 's compliance or non-compliance with the Standard's criteria.

The university provides an opportunity for external and internal mobility of EP students, as well as readiness to assist them in obtaining external grants for study. To develop the interaction of internal and external mobility, memorandums were concluded and agreements were drawn up with partner universities. However, further development of the implementation of the program "Academic mobility of students" is necessary, special attention should be paid to the criterion of incoming (external and internal) mobility of students according to EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures".

One of the main indicators of the quality of the EP is the employment of graduates. Data on the employment of graduates are reviewed and analyzed by the Academic Council of the University, the result of such an analysis can be decisions aimed at improving the educational process, educational and methodological work, the indicator of graduate employment, the list of specialties of the University. Currently, 3rd year doctoral students of EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" (Khamza E., Kozyukova N., Jetpisbayeva A., Tolegenova A.) are employed and work part-time at the Department of Construction and Building Materials.

The management of the accredited EPs did not fully provide information on the provision of social support to students for 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 university students and the provision of benefits for living in dormitories.

Strengths/best practice

According to accredited educational programs 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" revealed the provision of students with the appropriate material and technical base and places of practice.

WEC recommendations

1. EP management 7M11201 "Hygiene and labor protection at work" develop an action plan for the development of external and internal academic mobility of students by the beginning of the 2022-2023 academic year;

2. EP management 7M11201 "Hygiene and labor protection at work" by the beginning of the 2022-2023 academic year include in the EP Development Plan activities that contribute to an increase in the contingent of students;

3. Leadership of the EP 7M11201 "Hygiene and labor protection at work" to analyze the available material, technical, information resources, human resources necessary for the implementation of the EP by the end of the 2021-2022 academic year;

4. University management conduct an analysis of potential social conditions for students, incl. provision of places in the hostel by 09/01/2022

Conclusions of the EEC according to the criteria:

According to the standard "Students" for the accredited EP 7M11201 "Hygiene and labor protection at work" disclosed 12 criteria, of which 11 have a satisfactory position, 1 suggests improvement.

According to the standard "Students" for the accredited EP 8D07304 "Engineering systems and networks" disclosed 12 criteria, of which 2 have strong position, 10 - satisfactory.

According to the "Students" standard for accredited EPs 8D07303, 8D07305 "Construction and production of building materials and structures", 12 criteria are disclosed, of which 1 is a strong point, 10 have a satisfactory position, 1 implies improvement.

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 goals of the EP.*

✓ *The leadership 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 teaching specialists from relevant industries with professional competencies that meet the requirements of the EP.*

▪ *The university must demonstrate the presence 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 honesty 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

The personnel policy at the university is carried out in accordance with the main priorities of the University Development Program and corresponds to modern trends in the field of work with human resources. Recruitment and distribution of duties is carried out in accordance with the Human Resources Policy of the university, DP KazNRTU 601. Personnel management, Internal Regulations, orders and instructions of the rector, Rules for the competitive replacement of teaching staff positions and Rules for certification faculty.

The university has developed job descriptions for the head of the department and all positions of the teaching staff, which are updated at the beginning of the year.

The staff of the department "Engineering systems and networks" The total number of full-time teachers of the Department of Engineering Systems and Networks is 12 people, of which 1 is a doctor of science, 6 are candidates of science, 4 are masters. Degree - 58%.

The staff of the department "Construction and building materials". The total number of full-time teachers of the department is 34 people, of which 6 are Doctor of Technical Sciences, 13 are Candidates of Technical Sciences, 14 are Masters of Science, 1 is a civil engineer. Degree - 55.8%.

The teaching staff with scientific degrees for the implementation of the EP is 100%.

The teaching staff has the opportunity to improve and develop pedagogical skills. The university provides teachers with an insufficient level of competence with the opportunity for professional growth in the form of advanced training, internships.

The area of scientific interests of the teaching staff of the department, who are domestic and foreign supervisors of dissertations, corresponds to the research topics of undergraduates and doctoral students of accredited EPs, as evidenced by the data given in Table 2.3.

Table 2 - Supervisors of doctoral students in EP 8D07304 "Engineering systems and networks", 8D07303 "Civil engineering and production of building materials and structures", 8D07305 "Civil engineering and production of building materials and structures".

No	FULL NAME.	Academic degree and rank/academic degree	Scientific direction	Number of doctoral students (defended /students)
EP 8D07304 "Engineering systems and networks"				
1	Alimova K.K.	c.t.s., assoc. Professor,	The use of nanofiltration membranes in preparation of drinking water from surface water sources	- / 1 (g.o)
2	Kasymbekov Zh.K.	Doctor of Technical Sciences, Professor	Improving cleaning systems of groundwater through the use of reverse osmosis processes	- / 1 (g.o)
EP 8D07303 "Construction and production of building materials and structures"				

1.	Bespaev A.A.	Doctor of Technical Sciences, Professor	Research work reinforced concrete structures	- / 1 (g.o.)
2.	Nashiraliev Zh.T.	c.t.s., assoc. Professor	Research of strength and deformation characteristics of reinforced concrete structures. Computer technologies in construction.	- / 1 (g.o.)
3.	Zhambakina Z.M.	c.t.s., assoc. Professor	Studies of the strength properties of weak loess soils. Gain bases of seismic regions.	- / 2 (g.o.)
EP 8D07305 "Construction and production of building materials and structures"				
4.	Akmalaiuly K.	Doctor of Technical Sciences, Professor	Study of the properties of gypsum-cement-pozzolanic binders, high-strength concretes, heat-insulating materials.	- / 5 (g.o.)
5.	Zhuginisov M.T.	Doctor of Technical Sciences, Professor	Development of technologies and study of the properties of building materials and products based on natural and man-made raw materials.	- / 3 (g.o.)
6.	Kuatbaeva T.K.	Doctor of Technical Sciences, Professor	Energy-efficient, environmentally friendly technologies for the production of building materials based on natural low-quartz raw materials and industrial waste.	- / 2 (g.o.)

Table 3 - Heads of undergraduates in EP 7M11201 "Hygiene and labor protection at work"

No.	FULL NAME.	scientific degree and title/ academic degree	Scientific direction	The number of undergraduates (who defended /students)
7M11201 "Hygiene and labor protection at work"				
1.	Nuruldaeva G.Zh.	c.t.s., senior-lecturer	Analysis of professional risk employees of geological exploration enterprises, mining and processing of uranium.	- / 3 (g.o.)
2.	Nuruldaeva G.Zh.	c.t.s., senior-lecturer	Selection and justification of measures to protect workers at enterprises of storage, transportation and sale oil products.	- / 3 (g.o.)
3.	Nuruldaeva G.Zh.	c.t.s., senior-lecturer	Certification of production facilities for working conditions: problems and solutions.	- / 3 (g.o.)

In the direction of the formation of our own high-tech and innovative industries and the creation of joint international research centers, also to meet the needs of the innovative niche of the market economy and the training of scientific specialists for the formation of a new labor market on the basis of the Department of Construction and Building Materials, contracts for design and research work were signed with LLP "KTZ-Nomad" No. 2-1/20. Development of seismic-resistant wall panels made of cellular concrete based on low-quartz raw materials for the construction of prefabricated buildings and structures. (Kuatbayeva T.K., Nashiraliev Zh.T., Zhambakina Z.M), Almaty GeoCentre LLP. No. AGCF-1 Calculation of the stability of a slope reinforced with geogrids on Alma-Arasan street in Almaty (Zhambakina Z.M.). The teaching staff of the department takes part in the research work of the grant project of the Ministry of Education and Science of the Republic of Kazakhstan IRN AR08855714 on this topic: "Heat-insulating coatings based on finely dispersed mineral granular systems" (Zhumadilova Zh.O., Zhuginisov M.T. and others).

According to the results of scientific research, teachers regularly publish scientific articles and reports in various periodicals and proceedings of international and republican conferences.

For the training of highly qualified personnel, an important point is the constant professional development of teaching staff who train students. The university constantly implements a system of advanced training and professional development of teaching staff, regularly organizes webinars in order to meet the requirements of stakeholders, and further improve the educational process. The advanced training of teaching staff is carried out both at the expense of the university and at its own expense. Over the past five years, 100% of the teaching staff of the department has undergone advanced training.

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 all the opportunities for career growth of the teaching staff. To this end, competitive commissions are held annually to fill vacant positions. The university management 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 carried out 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 enhance the practical orientation of the educational process for conducting classes, invitethere are production specialists.

According to the results of the survey of teaching staff and students, the following answers were received to the questions:*about appreciate the adequacy of recognition of the potential and abilities of teachers*– satisfactory answers of 95.0% of the respondents; Estimate how much the share of the rate assigned to you corresponds to your desires and possibilities? – Satisfactory answers of 80.3% of the surveyed teaching staff.

Analytical part

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 in the quality level of the teaching staff. In this direction, the university carries 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, as part of the development of distance learning technologies, 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 it on the university website. EEC experts note that the dynamics of the development plan for external outgoing academic mobility of teaching staff are not traced at the accredited EPs. In addition, it is necessary to provide for the

implementation of the possibility of exchanging experience within the framework of the academic mobility program in the universities of Kazakhstan.

Strengths/best practice

According to accredited educational programs 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" revealed full compliance with the personnel potential of the teaching staff, who has extensive production experience in the areas of EP.

WEC recommendations

1. Leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to attract foreign and domestic scientists from the 2023-2024 academic year;

2. In accordance with the University Development Program, the leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" to include in the EP development plan indicators of the participation of teaching staff in academic mobility programs by the beginning of the 2022-2023 academic year.

Conclusions of the EEC according to the criteria:

According to the standard "Teaching staff" for the accredited EP 7M11201 "Hygiene and labor protection at work", 9 criteria are disclosed, of which 8 have a satisfactory position, 1 implies improvement.

According to the standard "Teaching staff" for accredited EP 8D07304 "Engineering systems and networks", 8D07303, 8D07305 "Construction and production of building materials and structures" disclosed 9 criteria, of which 1 - have strengths, 7 - have a satisfactory position, 1 - suggests improvement.

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 EPs being implemented, 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 should 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.

Electronic catalog (EC) of the library created on the basis of the automated library system "MegaPRO" - a web-system of a new generation, 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.

The total volume of the electronic catalog (since 1998) is 174773 b/c, including: 109916 b/c. educational and scientific literature (1,263,553 copies); 2571 e-books; 57,550 non-binding articles and 4,736 non-binding other types of literature. The electronic catalog contains bibliographic records of new acquisitions of books and periodicals, articles and monographs of teaching staff, dissertations, abstracts and electronic resources and is constantly updated online.

The members of the EEC found that all registered students and teaching staff remotely get access to the Electronic Catalog (EC) and the Electronic Library of the university <http://e-lib.satbayev.university/MegaPro/Web>. The fund of the electronic library of the university 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 assess the effectiveness of research, passing the examination of final papers, dissertations for plagiarism.

For the implementation of accredited EPs, the Institute of Architecture and Construction has research and educational specialized laboratories "Water Purification and Pumping Units", "Laboratory of Architecture and Construction", equipped with modern instruments and equipment.

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 – satisfactory answers of 92.7% of the respondents; Evaluate the level of development of conditions for students with different physical abilities? - Satisfactory answers 84.7% of respondents; Occupational health and safety? - Satisfactory answers 90.2% of respondents.

Analytical part

A variety of learning resources and student support services are available at the university. The university has a sufficient amount of computer equipment and software. The amount of library resources is adequately reflected. Also, students are provided with access to databases and teaching materials. In the course of the accreditation procedure, the compliance of the necessary material and technical resources for all cluster EPs was revealed. Improvement of equipment is carried out in a planned manner within the framework of accredited EPs

Strengths/best practice

- Availability of the necessary material and technical resources and infrastructure to conduct research for doctoral students and teaching staff for EP 8D07304 "Engineering systems and networks".

WEC recommendations

Not

Conclusions of the EEC according to the criteria:

According to the standard "Educational resources and student support systems»for an accredited study program 8D07304 "Engineering systems and networks" disclosed 9 criteria, of which 1 has strong position, 8 - satisfactory.

According to the standard "Educational Resources and Student Support Systems" for accredited EPs 7M11201 "Hygiene and labor protection at work", 8D07303, 8D07305 "Construction and production of building materials and structures" disclosed 9 criteria, of which 9 have a satisfactory position.

6.9. Public Information Standard

✓ *The university guarantees that the published information is accurate, objective, up-to-date and reflects all areas of the university's activities 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 university management 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 must 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 consistently implements a public information strategy through the University website, social networks, based on the principle of transparency about its activities, including ongoing programs, expected learning outcomes for the EP, qualifications awarded, teaching and learning methods, assessment procedures, passing scores and learning opportunities, provided to students, as well as information on employment opportunities for graduates. This process is managed by the Career Center in accordance with the internal documents of the university. Open Doors Day, Student Communities Fair, Job Fair are held.

The media and electronic publications used by the university include: the Republican newspaper "Kazakhstanskaya Pravda", Forbes Kazakhstan, Egemen Kazakhstan, ExpressK, Tengrinys, Nur.kz and other respected publications.

The university widely uses social networks, in which it regularly publishes information about educational programs and opportunities offered by studying at the university (*Instagram https://www.instagram.com/satbayev_university/ Facebook <https://www.facebook.com/satbayevuniversity> Telegram https://t.me/Satbayev_University_Official YouTube <https://www.youtube.com/channel/UCzpfUbR-imEHLhOX9tnKEgand> etc).*

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.

Apart from the website satbayev.university, this system includes the Polytech Online Distance Learning Portal, integrated with the educational portal of the university.

Analytical part

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 website of the university does not contain information about the uniqueness and individuality of EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures".

Strengths/best practice

No strengths have been identified within this Standard.

WEC recommendations

1. Leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to supplement the information on the university website 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

for assessing educational achievements 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).by the beginning of the 2022-2023 academic year;

2. Guidelines EP 7M11201 "Hygiene and labor protection at work",8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" ensure that information about the uniqueness and individuality of the study program is available to the public by posting information on the university's website by the beginning of the 2022-2023 academic year.

Conclusions of the EEC according to the criteria:

Bystandard "Informing the public" for the accredited EP 8D07304 "Engineering systems and networks" disclosed 10 criteria, of which 10are in a satisfactory position.

According to the standard "Informing the public" for accredited EPs7M11201 "Hygiene and labor protection at work",8D07303, 8D07305 "Construction and production of building materials and structures" disclosed 10 criteria, of which 9 - have a satisfactory position, 1 - suggests improvements.

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

According to the Standard "Management of the educational program"

According to EP 8D07304 "Engineering systems and networks": active participation of employers, students and teaching staff in the formation of EP development plans;

According to EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures:ensuring the active participation of representatives of employers, teaching staff, students and other interested parties 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

Strong positions are not revealed.

By Standard"Development and approval of the educational program"

According to EP 7M11201 "Hygiene and labor protection at work" availablethe possibility of preparing students for professional certification by including disciplines in the QED:"Certified State Course on Occupational Safety and Health", "Training course with obtaining a certificate for the right to monitor the industrial safety of technological processes and equipment." "Training course with obtaining a certificate for the right to conduct an environmental review of existing and projected enterprises";

According to EP 8D07304 "Engineering systems and networks", active involvement of external experts in reviewing the EP is shown;

According to EP 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures", the content of the EP is in line with the established goals, including the expected learning outcomes.

According to the Standard "Continuous monitoring and periodic evaluation of educational programs"

No strong positions identified

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

Strong positions are not revealed.

According to the Standard "Students"

According to accredited educational programs 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" revealed the provision of students with the appropriate material and technical base and places of practice.

According to the Standard "Teaching staff"

According to accredited educational programs 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" revealed full compliance with the personnel potential of the teaching staff, who has extensive production experience in the areas of EP.

According to the Standard "Educational Resources and Student Support Systems"

Availability of the necessary material and technical resources and infrastructure to conduct research for doctoral students and teaching staff for EP 8D07304 "Engineering systems and networks".

According to the Public Information Standard

Strong positions are not revealed.

(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY

According to the Standard "Management of the educational program"

- management of the EP 7M11201 "Hygiene and labor protection at work" Rdevelop projects of joint educational programs with domestic or foreign universities by the beginning of the 2023-2024 academic year;
- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" by the beginning of the 2022-2023 academic year specify in the EP Development Plan the uniqueness and individuality of the EP development plan, ensuring its consistency with national priorities and the demands of the modern labor market;
- Rleadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" by the beginning of the 2022-2023 academic year, develop an action plan to reduce the impact of risks associated with the design and implementation of the EP (including staffing, contingent formation, etc.), or introduce appropriate measures into the current EP development plans indicating specific indicators, deadlines and those responsible for implementation; systematically analyze risk management at the level of the structural unit and EP;
- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" by the beginning of the 2023-2024 academic year, create an innovation management mechanism within the EP and an opportunity for analysis and implementation of innovative learning technologies in the educational process.

According to the Information Management and Reporting Standard

-leadership of the EP 7M11201 "Hygiene and labor protection at work" determine the criteria and systematize the assessment of the effectiveness and efficiency of the EP by the beginning of the 2022-2023 academic year;

- manual EP 8D07304 "Engineering systems and networks" pdevelop a mechanism for involving students and teaching staff in the process of collecting and analyzing information, as well as making decisions based on them by the beginning of the 2022-2023 academic year;

- the guidance of EP 8D07303 "Construction and production of building materials and structures" to determine the criteria and systematize the availability of a mechanism for communication with students, employees and other interested parties, as well as mechanisms for resolving conflicts from the 2022-2023 academic year.

By Standard "Development and approval of the educational program"

-guideline EP 7M11201 "Hygiene and labor protection at work" pConduct an analysis of the content of the EP with the EP of Kazakhstani and foreign partners, develop joint educational programs with foreign universities and begin their implementation. Deadlines: 2023-2024 academic year;

- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to ensure the availability of a developed model of a doctoral program graduate describing learning outcomes and personal qualities, with placement on the university website until 09/01/2022;

- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to develop mechanisms for the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality until 09/01/2022;

- the management of EP 8D07305 "Construction and production of building materials and structures" before the start of the 2022-2023 academic year, make appropriate adjustments to the "Register of educational programs of higher education" on the content of academic credits of the studied disciplines.

According to the Standard "Continuous monitoring and periodic evaluation of educational programs"

- the management of the EP is recommended to ensure that stakeholders are informed about all planned or taken actions in relation to EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" from the 2022-2023 academic year;

- based on the results of the revision and amendments to the accredited EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" to ensure the publication on the university website of the results of the changes made from the 2022-2023 academic year.

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

- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to prepare a plan for the development of their own research in the field of teaching methods for the academic disciplines of the EP by 01.01.2023;

-leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to develop a plan for advanced training of

teaching staff in the field of modern methods for assessing learning outcomes by the beginning of the 2022-2023 academic year;

- Leadership EP 8D07304 "Engineering Systems and Networks" to determine the mechanisms for each doctoral student to achieve learning outcomes and the completeness of their formation by the beginning of the 2022-2023 academic year.

According to the Standard "Students"

- Leadership of the EP 7M11201 "Hygiene and labor protection at work" develop an action plan for the development of external and internal academic mobility of students by the beginning of the 2022-2023 academic year;

- leadership of the EP 7M11201 "Hygiene and labor protection at work" by the beginning of the 2022-2023 academic year include in the EP Development Plan activities that contribute to an increase in the contingent of students;

- management of the EP 7M11201 "Hygiene and labor protection at work" to analyze the available material, technical, information resources, human resources necessary for the implementation of the EP by the end of the 2021-2022 academic year;

- university management conduct an analysis of potential social conditions for students, incl. provision of places in the hostel by 09/01/2022

According to the Standard "Teaching staff"

- leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to attract foreign and domestic scientists from the 2023-2024 academic year;

- in accordance with the University Development Program for the leadership of the EP 7M11201 "Hygiene and labor protection at work", 8D07304 "Engineering systems and networks", 8D07303 "Construction and production of building materials and structures», 8D07305 "Construction and production of building materials and structures" to include in the EP development plan indicators of the participation of teaching staff in academic mobility programs by the beginning of the 2022-2023 academic year.

According to the Standard "Educational Resources and Student Support Systems"

- No

According to the Public Information Standard

- management of the EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" to supplement the information on the university website 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 for assessing educational achievements 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). by the beginning of the 2022-2023 academic year;

- management of EP 7M11201 "Hygiene and labor protection at work", 8D07303 "Construction and production of building materials and structures", 8D07305 "Construction and production of building materials and structures" ensure that information about the uniqueness and individuality of the study program is available to the public by posting information on the university's website by the beginning of the 2022-2023 academic year.

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

- university management conduct an analysis of potential social conditions for students, incl. providing places in the hostel by 09/01/2022;

(X) RECOMMENDATION TO THE ACCREDITATION BOARD

The external expert commission made a unanimous decision to recommend to the Accreditation Council educational programs 7M11201 Occupational health and safety, 8D07304 Engineering systems and networks, 8D07303 Construction and production of building materials and structures, 8D07305 Construction and production of building materials and structures to be accredited for a period of 5 (five) years.



IAAR

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

Conclusion of the External Expert Commission on the quality assessment of the educational program 7M11201 "Occupational health and safety"

Non-profit joint-stock company

Kazakh National Research Technical University named after K. I. Satbayev

n	№ \ n n \ n	Evaluation criteria	The Position of the educational organization			
			Is Strong	Sat isfa ctory	Suggests improvement	Unsatisfactory
Standard "Managing the educational program"						
1	1.	An organization of higher and / or postgraduate education should have a published quality assurance policy that reflects the relationship between 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/two-degree education and academic mobility		+		
4	4.	The PA management demonstrates transparency in developing a development plan for the PA, which contains the start dates for implementation, based on an analysis of its functioning, the actual positioning of the PA and the focus of its activities on meeting the needs of the state, employers, students and other interested parties		+		
5	5.	The EP management demonstrates the existence of mechanisms for the formation and regular revision of the development plan EE and monitoring its implementation, assessing the achievement of learning objectives, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of EE		+		
6	6.	The EP management should involve representatives of interested groups, including employers, trainees and teaching staff, in the development of the EP		+		
7	7.	The management of the EP should demonstrate the individuality and uniqueness of the plan EE development, 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 job responsibilities of personnel, and differentiation of functions of collegial bodies		+		
9	9.	The EP management must provide evidence of the transparency of the educational program management system		+		
10	10.	The EP management should demonstrate the existence of an internal quality assurance system for the EP, including its design,		+		

		management and monitoring, their improvement, and fact-based decision				
11	11.	The management of the EP should perform 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 EP management should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the composition of 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 public organization must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals			+	
14	14.	The EP management should demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties		+		
15	15.	The EP management should be trained in educational management programs		+		
Total according to the standard			0	12	3	0
Standard "Information management and reporting"						
16	1.	The public organization should demonstrate that it has 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 EP		+		
17	2.	EP management should demonstrate that there is a mechanism for systematic use of processed, adequate information to improve the internal quality assurance system		+		
18	3.	EP management should demonstrate fact-based decision		+		
19	4.	Within the framework of the EP, a system of regular reporting should be provided, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research		+		
20	5.	The public organization should establish the frequency, forms and methods of evaluating the management of the public administration, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects		+		
21	6.	The public organization must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of those responsible for the accuracy and timeliness of information analysis and data provision		+		
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 EP management should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as mechanisms for conflict resolution		+		
24	9.	The PA should demonstrate that there are mechanisms in place to measure the degree of satisfaction of the needs of staff, staff and trainees within the framework of the EP		+		
25	10.	The public organization should provide for an assessment of the effectiveness and efficiency of its activities, including in the context		+		

		of EP				
		<i>Information intended to be collected and analyzed within the framework of the EP should take into account::</i>				
26	11.	key performance indicators		+		
27	12.	dynamics of the student body in terms of forms and types		+		
28	13.	level of academic performance, student achievements and expulsions		+		
29	14.	satisfaction of students with the implementation of the EP and the quality of education at the university		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The public organization must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent		+		
Total for the standard			0	16	0	0
Standard "Development and approval of the educational program"						
32	1.	The PA should define and document 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 content of the EP meets the established goals, including the expected learning outcomes		+		
34	3.	The EP management should demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, employers' requirements, and the social demand of society		+		
35	4.	The EP management should ensure that there are developed models of the EP graduate describing learning outcomes and personal qualities		+		
36	5.	The management of the EP should demonstrate external expertise of the content of the EP and the planned results of its implementation		+		
37	6.	The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of NSC and QF-EHEA		+		
38	7.	EP management should determine the impact 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 should provide evidence of the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality		+		
41	10.	The EP management should ensure that the content of academic disciplines and planned results correspond to the level of study (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 learning outcomes of the EP implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
Total according to the standard			1	11	0	0
Standard "Continuous monitoring and periodic evaluation of educational programs"						
44	1.	The public organization should define mechanisms for monitoring and periodically evaluating the EP to ensure that the goal is achieved and that the needs of students and society are met, and		+		

		show that the mechanisms are aimed at continuous improvement of the EP				
		<i>Monitoring and periodic evaluation of the EP should include::</i>				
45	2.	program contents in the light of the latest scientific achievements 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.	load, academic performance and graduation of students		+		
48	5.	effectiveness of student assessment procedures		+		
49	6.	expectations, needs and satisfaction of students with training in the EP		+		
50	7.	educational environment and support services, and their compliance with the goals of the EP		+		
51	8.	EP management should demonstrate a systematic approach to monitoring and periodically evaluating the quality of EP		+		
52	9.	The PA and the management of the EP should define a mechanism for informing all stakeholders of any planned or undertaken actions in relation to the EP			+	
53	10.	All changes made to the EP must be published			+	
Total for the standard			0	8	2	0
Standard "Student-centered learning, teaching and assessment of academic»						
54	1.	The EP management should ensure respect and attention to different groups of students and their needs, and provide them with flexible learning paths		+		
55	2.	The EP guidelines should provide for the use of various forms and methods of teaching and learning		+		
56	3.	An important factor is the availability of our own research in the field of teaching methods of academic disciplines EP			+	
57	4.	The EP management should demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes		+		
58	5.	The EP management should demonstrate the existence of mechanisms to support students ' autonomy, with simultaneous guidance and assistance from the teacher		+		
59	6.	EP management should demonstrate that there is a procedure in place to respond to student complaints		+		
60	7.	The PA should ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each EP, including the appeal		+		
61	8.	The public organization should ensure that the procedures for evaluating the learning outcomes of EP students correspond to the planned results and goals of the program, and that the evaluation criteria and methods are published in advance		+		
62	9.	The PA should define mechanisms for ensuring that each EP graduate achieves learning outcomes and ensure that they are fully formed		+		
63	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
Total for the standard			0	9	1	0
Standard "Students"						
64	1.	The public organization must demonstrate the existence of a policy for forming a contingent of students in the context of EP, ensure		+		

		transparency and publication of its procedures regulating the life cycle of students (from admission to completion).				
		<i>The EP management should determine the procedure for forming a contingent of students based on:</i>				
65	2.	minimum requirements for applicants		+		
66	3.	maximum group size when conducting seminars, practical, laboratory and studio classes		+		
67	4.	forecasting the number of state grants		+		
68	5.	analysis of available material and technical resources, information resources, and human resources		+		
69	6.	analysis of potential social conditions for students, including: including provision of places in the hostel		+		
70	7.	The EP management should demonstrate its readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The public organization must demonstrate that its actions comply with the Lisbon Recognition Convention, that there is 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 NGO should cooperate with other educational organizations and national centers "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers " ENIC/NARIC to ensure comparable recognition of qualifications		+		
73	10.	The public organization should provide opportunities for external and internal mobility of EP students, as well as readiness to assist them in obtaining external grants for training			+	
74	11.	The EP management should demonstrate its readiness to provide students with internship places, promote employment of graduates, and maintain communication with them		+		
75	12.	The public organization should provide the opportunity to provide graduates of the EP with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion		+		
Total according to the standard			0	11	1	0
Standard "Teaching staff"						
76	1.	The public organization should have an objective and transparent personnel policy, including in the context of the EP, including hiring, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	2.	The public organization must demonstrate that the personnel potential of the teaching staff corresponds to the specifics of the EP		+		
78	3.	EP management should demonstrate an awareness of responsibility for its employees and provide them with favorable working conditions		+		
79	4.	The EP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The PA should determine the contribution of the PA's teaching staff to the implementation of the PA's development strategy and other strategic documents		+		
81	6.	The public organization should provide opportunities for career growth and professional development of teaching staff of EP		+		

82	7.	The EP management should demonstrate its readiness to attract practitioners from relevant sectors of the economy to teach		+		
83	8.	The public organization must demonstrate motivation for the professional and personal development of teachers of educational institutions, including encouragement for the integration of scientific activities and education, the use of innovative teaching methods		+		
84	9.	An important factor is the willingness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers			+	
Total for the standard			0	8	1	0
Standard "Educational resources and student support systems"						
85	1.	The PA should ensure that there are sufficient training resources and student support services to ensure that the EP		+		
86	2.	The PA must demonstrate the adequacy of material and technical resources and infrastructure, taking into account the needs of different groups of students in the context of EP (adults, working students, foreign students, as well as students with disabilities).		+		
87	3.	The EP management should demonstrate that there are procedures in place to support various groups of students, including informing and advising		+		
		<i>The management of the EP should demonstrate that the information resources correspond to the specifics of the EP, 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 collection 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.-internet		+		
92	8.	WI-FI operation on the territory of the educational organization		+		
93	9.	The public organization demonstrates planning for providing the EP with training equipment and software tools similar to those used in the relevant sectors of the economy		+		
Total for the standard			0	9	0	0
Public Awareness Standard						
		<i>The public organization must publish reliable, objective, and 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.	qualifications and / or qualifications that will be awarded upon completion of the educational program		+		
96	3.	teaching and learning approaches, as well as the assessment system (procedures, methods and forms)		+		
97	4.	information on passing scores and educational opportunities provided to students		+		
98	5.	information on employment opportunities for graduates		+		
99	6.	The management of the EP should provide for a variety of ways to disseminate information, including the media, information networks to inform the general public and interested persons		+		

100	7.	Public awareness should include supporting and explaining the national development programs of the country and the system of higher and postgraduate education		+		
101	8.	The public organization should demonstrate that the web resource reflects information that characterizes it in general and in the context of educational programs			+	
102	9.	An important factor is the availability of adequate and objective information about the PPP of EP		+		
103	10.	An important factor is to inform the public about cooperation and interaction with partners within the framework of the EP		+		
Итого по стандарту			0	9	1	0
ВСЕГО			1	93	9	0

1 (0,9%) parameters have *the "strong" position*
93 (90,4 %) parameters have *the "satisfactory" position*
9 (8,7%) parameters have the position *"suggests improvement"*
0 % of the parameters have *the "unsatisfactory" position*

Appendix 1.1

**Conclusion of the External Expert Commission on the quality assessment of the educational program 8D07304 “Engineering systems and networks”
Non-profit joint-stock company
Kazakh National Research Technical University named after K. I. Satpayev**

n	№ \ n n \ n	Evaluation criteria	The Position of the educational organization			
			Is Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Managing the educational program"						
1	1.	An organization of higher and / or postgraduate education should have a published quality assurance policy that reflects the relationship between 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/two-degree education and academic mobility		+		
4	4.	The PA management demonstrates transparency in developing a development plan for the PA, which contains the start dates for implementation, based on an analysis of its functioning, the actual positioning of the PA and the focus of its activities on meeting the needs of the state, employers, students and other interested parties		+		

5	5.	The EP management demonstrates the existence of mechanisms for the formation and regular revision of the development plan EE and monitoring its implementation, assessing the achievement of learning objectives, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of EE		+		
6	6.	The EP management should involve representatives of interested groups, including employers, trainees and teaching staff, in the development of the EP	+			
7	7.	The management of the EP should demonstrate the individuality and uniqueness of the plan EE development, 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 job responsibilities of personnel, and differentiation of functions of collegial bodies	+			
9	9.	The EP management must provide evidence of the transparency of the educational program management system		+		
10	10.	The EP management should demonstrate the existence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, and fact-based decision		+		
11	11.	The management of the EP should perform 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 EP management should ensure the participation of representatives of employers, teaching staff, students and other interested persons in the composition of 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 public organization must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals			+	
14	14.	The EP management should demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties		+		
15	15.	The EP management should be trained in educational management programs		+		
Total according to the standard			2	10	3	0
Standard "Information management and reporting"						
16	1.	The public organization should demonstrate that it has 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 EP		+		
17	2.	EP management should demonstrate that there is a mechanism for systematic use of processed, adequate information to improve the internal quality assurance system		+		
18	3.	EP management should demonstrate fact-based decision		+		

19	4.	Within the framework of the EP, a system of regular reporting should be provided, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research		+		
20	5.	The public organization should establish the frequency, forms and methods of evaluating the management of the public administration, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects		+		
21	6.	The public organization must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of those responsible for the accuracy and timeliness of information analysis and data provision		+		
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 EP management should demonstrate the existence of a mechanism for communication with students, employees and other stakeholders, as well as mechanisms for conflict resolution		+		
24	9.	The PA should demonstrate that there are mechanisms in place to measure the degree of satisfaction of the needs of staff, staff and trainees within the framework of the EP		+		
25	10.	The public organization should provide for an assessment of the effectiveness and efficiency of its activities, including in the context of EP		+		
		<i>Information intended to be collected and analyzed within the framework of the EP should take into account::</i>				
26	11.	key performance indicators		+		
27	12.	dynamics of the student body in terms of forms and types		+		
28	13.	level of academic performance, student achievements and expulsions		+		
29	14.	satisfaction of students with the implementation of the EP and the quality of education at the university		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	The public organization must confirm the implementation of procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent		+		
Total for the standard			0	15	1	0
Standard "Development and approval of the educational program"						
32	1.	The PA should define and document 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 content of the EP meets the established goals, including the expected learning outcomes		+		
34	3.	The EP management should demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, employers' requirements, and the social demand of society		+		
35	4.	The EP management should ensure that there are developed models of the EP graduate describing learning outcomes and personal qualities			+	
36	5.	The management of the EP should demonstrate external expertise of the content of the EP and the planned results of its implementation	+			

37	6.	The qualification awarded upon completion of the EP must be clearly defined and correspond to a certain level of NSC and QF-EHEA		+		
38	7.	EP management should determine the impact 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 should provide evidence of the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality		+		
41	10.	The EP management should ensure that the content of academic disciplines and planned results correspond to the level of study (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 learning outcomes of the EP implemented by organizations of higher and (or) postgraduate education in the EHEA		+		
Total according to the standard			1	10	1	0
Standard "On-Going Monitoring and Periodic Review of Educational Programme"						
44	1.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement		+		
		<i>Monitoring and EP periodic evaluation should provide for:</i>				
45	2.	the content of the programmes in the light of the latest scientific achievements in a specific discipline to ensure the relevance of the taught discipline		+		
46	3.	changes in the needs of society and the professional environment		+		
47	4.	workload, the level of academic achievement and students' graduation		+		
48	5.	the effectiveness of student assessment procedures		+		
49	6.	expectations, needs and satisfaction of students with EP training		+		
50	7.	educational environment and support services and their compliance with the objectives of EP		+		
51	8.	EO, EP management should define a mechanism for informing all concerned parties about any planned or taken actions in relation to EP		+		
52	9.	All changes made to EP should be published. EP management should develop a mechanism for revising EP content and structure, considering changes in the labor market, employers' requirements and social demands of society			+	
53	10.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement		+		
Total on standard			0	9	1	0
Standard "Student-Centered Learning, Teaching and Performance Evaluation"						
54	1.	EP management should ensure respect and attention to different groups of students and their needs providing them with flexible learning trajectory		+		
55	2.	EP management 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 EP academic disciplines		+		
57	4.	EP management should demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes		+		
58	5.	EP management should demonstrate the existence of mechanisms to support the students' autonomy with simultaneous guidance and assistance from the teacher.		+		
59	6.	EP management should demonstrate the existence of a procedure for responding to student complaints		+		
60	7.	EO should ensure consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal		+		
61	8.	EP should ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and programme objectives. Criteria and methods of assessment within EP framework should be published in advance		+		
62	9.	EO should determine the mechanisms for ensuring the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation			+	
63	10.	Evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area		+		
Total on standard			0	9	1	0
Standard "Students"						
64	1.	EO should demonstrate the existence of a policy for the formation of the students' contingent in EP context from admission to graduation and ensure the transparency of its procedures. The procedures governing the students' life cycle (from admission to completion) should be defined, approved, published		+		
		<i>EP management should determine the procedure for the formation of the students' contingent based on:</i>				
65	2.	minimum requirements for applicants		+		
66	3.	maximum group size when conducting seminars, practical, laboratory and studio classes		+		
67	4.	forecasting the number of government grants		+		
68	5.	analysis of available material and technical, information resources, human resources	+			
69	6.	analysis of potential social conditions for students, including providing places in the hostel		+		
70	7.	EP management is obliged to demonstrate readiness to conduct special adaptation and support programmes for newly entered and foreign students		+		
71	8.	EO should demonstrate that its actions are consistent with the Lisbon Recognition Convention		+		
72	9.	EO should cooperate with other educational institutions 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.	EP management should demonstrate the existence of a mechanism for the recognition of the students' results of academic mobility, as well as the results of additional, formal and non-formal education		+		
74	11.	EO should provide an opportunity for external and internal mobility of EP students, as well as a willingness to assist them in obtaining external grants for training.	+			
75	12.	EP management should demonstrate its readiness to provide students with places of practice, to promote the graduates' employment, to maintain communication with them		+		
Total on standards			2	10	0	0

Standard "Teaching Staff"							
76	1.	EO should have an objective and transparent personnel policy, including in EP context, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff		+			
77	2.	EO should demonstrate the compliance of the TS staff potential with EO development strategy and EP specifics	+				
78	3.	EP management should demonstrate awareness of responsibility for their employees and providing them with favorable working conditions		+			
79	4.	EP management should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+			
80	5.	EO should determine the contribution of TS of the EP to the implementation of EO development strategy, and other strategic documents		+			
81	6.	EO should provide opportunities for career growth and professional development of TS of the EP		+			
82	7.	EP management is obliged to demonstrate readiness to involve practitioners of the relevant industries in teaching.		+			
83	8.	EO should demonstrate motivation for the professional and personal development of EP teachers, 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 EP framework, to attract the best foreign and national teachers			+		
Total on standard			1	7	1	0	
Standard "Education Resources and Student Support Systems"							
85	1.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.		+			
86	2.	EO should demonstrate the sufficiency of material and technical resources and infrastructure, considering the needs of students' various groups in EP context of (adults, working, foreign students, as well as students with disabilities).		+			
87	3.	EP management is obliged to demonstrate the existence of procedures for supporting various groups of students, including informing and consulting. EP management should demonstrate the compliance of information resources with EP specifics, including:		+			
		technological support for students and TS in accordance with educational programmes (for example, online training, modeling, databases, data analysis programmes)					
88	4.	library resources, including the fund of educational, methodological and scientific literature on compulsory education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+			
89	5.	examination of research results, graduation works, dissertations for plagiarism		+			
90	6.	access to educational Internet resources		+			
91	7.	functioning of WI-FI on the territory of the educational organisation		+			
92	8.	EO should strive to ensure that the educational equipment and software intended for use in the development of educational programmes are similar to those used in the relevant industries		+			
93	9.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.	+				
Total on standard			1	8	0	0	
Standard "Public Information"							
		EO should publish reliable, objective, relevant information about the educational programme and its specifics, which should include:					

94	1.	expected learning outcomes of EP implemented		+		
95	2.	qualifications and (or) qualifications that will be awarded upon EP completion		+		
96	3.	approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment		+		
97	4.	information about passing scores and learning opportunities provided to students		+		
98	5.	information about the possibilities of employment of graduates		+		
99	6.	EP management should provide for various ways of disseminating information, including mass media, information networks to inform the general public and concerned parties		+		
100	7.	Public awareness should include support and explanation of the country's national development programmes and the system of higher and postgraduate education		+		
101	8.	EO should demonstrate the reflection on the web resource of information characterizing it in general and in EP context.		+		
102	9.	An important factor is the availability of adequate and objective information about EP TS		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within EP framework		+		
Total on standard			0	10	0	0
TOTAL			7	88	8	0

7 (6,8 %) of the parameters have the «strong" position»
88 (85,4 %) of the parameters have the «satisfactory" position»
8 (7,8%) parameters have the position « suggests improvement»
0 % parameters have the position « suggests improvement»

[Appendix 1.2](#)

Conclusion of the External Expert Commission on the quality assessment of the educational program 8D07303 " Civil engineering and production of building materials and structures"

Non-profit joint-stock company

Kazakh National Research Technical University named after K. I. Satpayev

item No.	NNo.	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	To be improved	Unsatisfactory
Standard " Management of Educational Programme"						
1	1.	The organisation of higher and (or) postgraduate education should have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning		+		
2	2.	The organisation of higher and (or) postgraduate education should demonstrate the culture's development of quality assurance, including in EP context		+		
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.	EP management demonstrates readiness to ensure transparency of EP development plan based on the analysis of its functioning, EO actual positioning and the focus of its activities on meeting the needs of the state, employers, students and other concerned parties. The plan should contain the timing of the start of the implementation of the educational programme		+		
5	5.	EP management demonstrates the existence of mechanisms for the formation and regular revision of EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the students'		+		
6	6.	needs, employers and society, making decisions aimed at continuous improvement of EP		+		
7	7.	EP management should involve representatives of stakeholder groups, including employers, students and TS in the formation of EP development plan			+	
8	8.	EP management should demonstrate the individuality and uniqueness of EP development plan, its consistency with national priorities and the development strategy of the organisation of higher and (or) postgraduate education		+		
9	9.	The organisation of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within EP framework, an unambiguous distribution of job duties of personnel, delineation of collegial bodies functions		+		
10	10.	EP management should provide evidence of the transparency of the educational programme management system		+		
11	11.	EP management should demonstrate the existence of EP internal quality assurance system, including its design, management and monitoring, their improvement, decision-making based on facts			+	
12	12.	EP management should carry out risk management, including within EP framework, undergoing initial accreditation, as well as demonstrate a system of measures aimed at reducing the risk degree	+			
13	13.	EP management should ensure the participation of representatives of employers, TS, students and other concerned parties in the collegial management bodies of the educational programme, as well as their representativeness in making decisions on the educational programme management			+	
14	14.	EO should demonstrate innovation management within EP framework, including the analysis and implementation of innovative proposals		+		
15	15.	EP management should demonstrate evidence of readiness for openness and accessibility for students, TS, employers and other concerned parties		+		
Total on standard			1	11	3	0
Standard "Information Management and Reporting"						
16	1.	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 and that it uses a variety of methods to collect and analyze information in EP context		+		
17	2.	EP management should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	EP management should demonstrate decision-making based on facts		+		
19	4.	Within EP framework, a system of regular reporting should be provided reflecting all levels of the structure, including an assessment of the performance and efficiency of the unit activities and departments, scientific research		+		
20	5.	EO should establish the frequency, forms and methods of assessing EP management, activities of collegial bodies and structural units, top management, the implementation of scientific projects		+		

21	6.	EO should demonstrate the determination of the order and ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of the analysis of information and the data provision.		+		
22	7.	An important factor is the availability of mechanisms for involving students, employees and TS in the processes of collecting and analysing information, as well as making decisions based on them		+		
23	8.	EP management should demonstrate the existence of a communication mechanism with students, employees and other concerned parties, as well as mechanisms for resolving conflicts		+		
24	9.	EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction of the TS needs, personnel and students within EP framework		+		
25	10.	EO should provide for the assessment of the performance and efficiency of activities, including in EP context		+		
		<i>The information intended for collection and analysis within EP framework should take into account:</i>				
26	11.	key effectiveness indicators		+		
27	12.	the dynamics of the students contingent in the context of forms and types;		+		
28	13.	academic results, student achievement and expulsion		+		
29	14.	satisfaction of students with the realization of EP and the quality of education at HEI		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	EO should confirm the realization of procedures for processing personal data of students, employees and TS on the basis of their documentary consent		+		
Total on standard			0	16	0	0
Standard "Development and Approval of the Education Programme"						
32	1.	EO should define and document the procedures for EP development and its approval at the institutional level		+		
33	2.	EP management should ensure that the developed EP meets the established objectives, including the expected learning outcomes	+			
34	3.	EP management should ensure the availability of developed models of EP graduate, describing the learning outcomes and personal qualities		+		
35	4.	EP management should demonstrate the performance of external examinations of EP content and the planned results of its implementation		+		
36	5.	The qualification awarded upon EP completion should be clearly defined and correspond to a certain NQS level		+		
37	6.	EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	7.	An important factor is the ability to prepare students for professional certification		+		
30	8.	EP management should provide evidence of the participation of students, TS and other stakeholders in EP development, ensuring their quality		+		
40	9.	EP complexity should be clearly defined in Kazakhstani credits and ECTS		+		
41	10	EP management should ensure that the content of academic disciplines and planned results are consistent with the level of education (bachelor's, master's, doctoral studies).		+		
42	11	EP structure should provide for various types of activities to ensure that students achieve the planned learning outcomes.		+		

43	12	An important factor is the correspondence between EP content and EP learning outcomes, implemented by institutions of higher and (or) postgraduate education in the EHEA		+		
Total on standard			1	11	0	0
Standard "On-Going Monitoring and Periodic Review of Educational Programme"						
44	1.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement		+		
		<i>Monitoring and EP periodic evaluation should provide for:</i>				
45	2.	the content of the programmes in the light of the latest scientific achievements in a specific discipline to ensure the relevance of the taught discipline		+		
46	3.	changes in the needs of society and the professional environment		+		
47	4.	workload, the level of academic achievement and students' graduation		+		
48	5.	the effectiveness of student assessment procedures		+		
49	6.	expectations, needs and satisfaction of students with EP training		+		
50	7.	educational environment and support services and their compliance with the objectives of EP		+		
51	8.	EO, EP management should define a mechanism for informing all concerned parties about any planned or taken actions in relation to EP		+		
52	9.	All changes made to EP should be published. EP management should develop a mechanism for revising EP content and structure, considering changes in the labor market, employers' requirements and social demands of society			+	
53	10.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement			+	
Total on standard			0	8	2	0
Standard "Student-Centered Learning, Teaching and Performance Evaluation"						
54	1.	EP management should ensure respect and attention to different groups of students and their needs providing them with flexible learning trajectory		+		
55	2.	EP management 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 EP academic disciplines		+		
57	4.	EP management should demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes		+		
58	5.	EP management should demonstrate the existence of mechanisms to support the students' autonomy with simultaneous guidance and assistance from the teacher.		+		
59	6.	EP management should demonstrate the existence of a procedure for responding to student complaints		+		
60	7.	EO should ensure consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal		+		
61	8.	EP should ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and programme objectives. Criteria and methods of assessment within EP framework should be published in advance		+		
62	9.	EO should determine the mechanisms for ensuring the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation		+		

63	10.	Evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area		+		
Total on standard			0	10	0	0
Standard "Students"						
64	1.	EO should demonstrate the existence of a policy for the formation of the students' contingent in EP context from admission to graduation and ensure the transparency of its procedures. The procedures governing the students' life cycle (from admission to completion) should be defined, approved, published		+		
	2.	<i>EP management should determine the procedure for the formation of the students' contingent based on:</i>				
65	3.	minimum requirements for applicants		+		
66	4.	maximum group size when conducting seminars, practical, laboratory and studio classes		+		
67	5.	forecasting the number of government grants		+		
68	6.	analysis of available material and technical, information resources, human resources		+		
69	7.	analysis of potential social conditions for students, including providing places in the hostel			+	
70	8.	EP management is obliged to demonstrate readiness to conduct special adaptation and support programmes for newly entered and foreign students		+		
71	9.	EO should demonstrate that its actions are consistent with the Lisbon Recognition Convention		+		
72	10.	EO should cooperate with other educational institutions 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	11.	EP management should demonstrate the existence of a mechanism for the recognition of the students' results of academic mobility, as well as the results of additional, formal and non-formal education		+		
74	12.	EO should provide an opportunity for external and internal mobility of EP students, as well as a willingness to assist them in obtaining external grants for training.	+			
75	13.	EP management should demonstrate its readiness to provide students with places of practice, to promote the graduates' employment, to maintain communication with them		+		
Total on standards			1	11	0	0
Standard "Teaching Staff"						
76	1.	EO should have an objective and transparent personnel policy, including in EP context, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	2.	EO should demonstrate the compliance of the TS staff potential with EO development strategy and EP specifics	+			
78	3.	EP management should demonstrate awareness of responsibility for their employees and providing them with favorable working conditions		+		
79	4.	EP management should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	EO should determine the contribution of TS of the EP to the implementation of EO development strategy, and other strategic documents		+		
81	6.	EO should provide opportunities for career growth and professional development of TS of the EP		+		
82	7.	EP management is obliged to demonstrate readiness to involve practitioners of the relevant industries in teaching.		+		

83	8.	EO should demonstrate motivation for the professional and personal development of EP teachers, 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 EP framework, to attract the best foreign and national teachers			+	
Total on standard			1	7	1	0
Standard "Education Resources and Student Support Systems"						
85	1.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.		+		
86	2.	EO should demonstrate the sufficiency of material and technical resources and infrastructure, considering the needs of students' various groups in EP context of (adults, working, foreign students, as well as students with disabilities).		+		
87	3.	EP management is obliged to demonstrate the existence of procedures for supporting various groups of students, including informing and consulting. EP management should demonstrate the compliance of information resources with EP specifics, including:		+		
		technological support for students and TS in accordance with educational programmes (for example, online training, modeling, databases, data analysis programmes)				
88	4.	library resources, including the fund of educational, methodological and scientific literature on compulsory education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+		
89	5.	examination of research results, graduation works, dissertations for plagiarism		+		
90	6.	access to educational Internet resources		+		
91	7.	functioning of WI-FI on the territory of the educational organisation		+		
92	8.	EO should strive to ensure that the educational equipment and software intended for use in the development of educational programmes are similar to those used in the relevant industries				
93	9.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.		+		
Total on standard			0	9	0	0
Standard "Public Information"						
		EO should publish reliable, objective, relevant information about the educational programme and its specifics, which should include:				
94	1.	expected learning outcomes of EP implemented		+		
95	2.	qualifications and (or) qualifications that will be awarded upon EP completion		+		
96	3.	approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment		+		
97	4.	information about passing scores and learning opportunities provided to students		+		
98	5.	information about the possibilities of employment of graduates		+		
99	6.	EP management should provide for various ways of disseminating information, including mass media, information networks to inform the general public and concerned parties		+		
100	7.	Public awareness should include support and explanation of the country's national development programmes and the system of higher and postgraduate education		+		
101	8.	EO should demonstrate the reflection on the web resource of information characterizing it in general and in EP context.			+	
102	9.	An important factor is the availability of adequate and objective information about EP TS		+		

103	10.	An important factor is informing the public about cooperation and interaction with partners within EP framework		+		
Total on standard			0	9	1	0
TOTAL			4	91	8	0

4 (3,9 %) of the parameters have the «strong" position»

91 (88,3 %) of the parameters have the «satisfactory" position»

8 (7,8 %) parameters have the position « suggests improvement»

0 % parameters have the position « suggests improvement»

Appendix 1.3

**Conclusion of the External Expert Commission on the quality assessment of the educational program 8D07305 " Civil engineering and production of building materials and structures"
Non-profit joint-stock company
Kazakh National Research Technical University named after K. I. Satpayev**

item No.	NNo.	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	To be improved	Unsatisfactory
Standard " Management of Educational Programme"						
1	16.	The organisation of higher and (or) postgraduate education should have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning		+		
2	17.	The organisation of higher and (or) postgraduate education should demonstrate the culture's development of quality assurance, including in EP context		+		
3	18.	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	19.	EP management demonstrates readiness to ensure transparency of EP development plan based on the analysis of its functioning, EO actual positioning and the focus of its activities on meeting the needs of the state, employers, students and other concerned parties. The plan should contain the timing of the start of the implementation of the educational programme		+		
5	20.	EP management demonstrates the existence of mechanisms for the formation and regular revision of EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the students'		+		
6	21.	needs, employers and society, making decisions aimed at continuous improvement of EP		+		
7	22.	EP management should involve representatives of stakeholder groups, including employers, students and TS in the formation of EP development plan			+	

8	23.	EP management should demonstrate the individuality and uniqueness of EP development plan, its consistency with national priorities and the development strategy of the organisation of higher and (or) postgraduate education		+		
9	24.	The organisation of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within EP framework, an unambiguous distribution of job duties of personnel, delineation of collegial bodies functions		+		
10	25.	EP management should provide evidence of the transparency of the educational programme management system		+		
11	26.	EP management should demonstrate the existence of EP internal quality assurance system, including its design, management and monitoring, their improvement, decision-making based on facts			+	
12	27.	EP management should carry out risk management, including within EP framework, undergoing initial accreditation, as well as demonstrate a system of measures aimed at reducing the risk degree	+			
13	28.	EP management should ensure the participation of representatives of employers, TS, students and other concerned parties in the collegial management bodies of the educational programme, as well as their representativeness in making decisions on the educational programme management			+	
14	29.	EO should demonstrate innovation management within EP framework, including the analysis and implementation of innovative proposals		+		
15	30.	EP management should demonstrate evidence of readiness for openness and accessibility for students, TS, employers and other concerned parties		+		
Total on standard			1	11	3	0
Standard "Information Management and Reporting"						
16	10.	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 and that it uses a variety of methods to collect and analyze information in EP context		+		
17	11.	EP management should demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	12.	EP management should demonstrate decision-making based on facts		+		
19	13.	Within EP framework, a system of regular reporting should be provided reflecting all levels of the structure, including an assessment of the performance and efficiency of the unit activities and departments, scientific research		+		
20	14.	EO should establish the frequency, forms and methods of assessing EP management, activities of collegial bodies and structural units, top management, the implementation of scientific projects		+		
21	15.	EO should demonstrate the determination of the order and ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of the analysis of information and the data provision.		+		
22	16.	An important factor is the availability of mechanisms for involving students, employees and TS in the processes of collecting and analysing information, as well as making decisions based on them		+		
23	17.	EP management should demonstrate the existence of a communication mechanism with students, employees and other concerned parties, as well as mechanisms for resolving conflicts		+		
24	18.	EO should demonstrate the existence of mechanisms for measuring the degree of satisfaction of the TS needs, personnel and students within EP framework		+		
25	10.	EO should provide for the assessment of the performance and efficiency of activities, including in EP context		+		
		<i>The information intended for collection and analysis within EP framework should take into account:</i>				

26	11.	key effectiveness indicators		+		
27	12.	the dynamics of the students contingent in the context of forms and types;		+		
28	13.	academic results, student achievement and expulsion		+		
29	14.	satisfaction of students with the realization of EP and the quality of education at HEI		+		
30	15.	availability of educational resources and support systems for students		+		
31	16.	EO should confirm the realization of procedures for processing personal data of students, employees and TS on the basis of their documentary consent		+		
Total on standard			0	16	0	0
Standard "Development and Approval of the Education Programme"						
32	13	EO should define and document the procedures for EP development and its approval at the institutional level		+		
33	14	EP management should ensure that the developed EP meets the established objectives, including the expected learning outcomes	+			
34	15	EP management should ensure the availability of developed models of EP graduate, describing the learning outcomes and personal qualities		+		
35	16	EP management should demonstrate the performance of external examinations of EP content and the planned results of its implementation		+		
36	17	The qualification awarded upon EP completion should be clearly defined and correspond to a certain NQS level		+		
37	18	EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	19	An important factor is the ability to prepare students for professional certification		+		
30	20	EP management should provide evidence of the participation of students, TS and other stakeholders in EP development, ensuring their quality		+		
40	21	EP complexity should be clearly defined in Kazakhstani credits and ECTS		+		
41	22	EP management should ensure that the content of academic disciplines and planned results are consistent with the level of education (bachelor's, master's, doctoral studies).		+		
42	23	EP structure should provide for various types of activities to ensure that students achieve the planned learning outcomes.		+		
43	24	An important factor is the correspondence between EP content and EP learning outcomes, implemented by institutions of higher and (or) postgraduate education in the EHEA		+		
Total on standard			1	11	0	0
Standard "On-Going Monitoring and Periodic Review of Educational Programme"						
44	11.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement		+		
		<i>Monitoring and EP periodic evaluation should provide for:</i>				
45	12.	the content of the programmes in the light of the latest scientific achievements in a specific discipline to ensure the relevance of the taught discipline		+		
46	13.	changes in the needs of society and the professional environment		+		
47	14.	workload, the level of academic achievement and students' graduation		+		
48	15.	the effectiveness of student assessment procedures		+		

49	16.	expectations, needs and satisfaction of students with EP training		+		
50	17.	educational environment and support services and their compliance with the objectives of EP		+		
51	18.	EO, EP management should define a mechanism for informing all concerned parties about any planned or taken actions in relation to EP		+		
52	19.	All changes made to EP should be published. EP management should develop a mechanism for revising EP content and structure, considering changes in the labor market, employers' requirements and social demands of society			+	
53	20.	EO should define mechanisms for monitoring and EP periodic evaluation in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes should be aimed at EP continuous improvement			+	
Total on standard			0	8	2	0
Standard "Student-Centered Learning, Teaching and Performance Evaluation"						
54	11.	EP management should ensure respect and attention to different groups of students and their needs providing them with flexible learning trajectory		+		
55	12.	EP management should provide for the use of various forms and methods of teaching and learning		+		
56	13.	An important factor is the availability of own research in the field of teaching methods of EP academic disciplines		+		
57	14.	EP management should demonstrate the existence of feedback mechanisms on the use of various teaching methods and assessment of learning outcomes		+		
58	15.	EP management should demonstrate the existence of mechanisms to support the students' autonomy with simultaneous guidance and assistance from the teacher.		+		
59	16.	EP management should demonstrate the existence of a procedure for responding to student complaints		+		
60	17.	EO should ensure consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal		+		
61	18.	EP should ensure that the procedures for assessing the learning outcomes of EP students are consistent with the planned results and programme objectives. Criteria and methods of assessment within EP framework should be published in advance		+		
62	19.	EO should determine the mechanisms for ensuring the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation		+		
63	20.	Evaluators should be proficient in modern methods of assessing learning outcomes and regularly improve their qualifications in this area		+		
Total on standard			0	10	0	0
Standard "Students"						
64	14.	EO should demonstrate the existence of a policy for the formation of the students' contingent in EP context from admission to graduation and ensure the transparency of its procedures. The procedures governing the students' life cycle (from admission to completion) should be defined, approved, published		+		
	15.	<i>EP management should determine the procedure for the formation of the students' contingent based on:</i>				
65	16.	minimum requirements for applicants		+		
66	17.	maximum group size when conducting seminars, practical, laboratory and studio classes		+		
67	18.	forecasting the number of government grants		+		
68	19.	analysis of available material and technical, information resources, human resources		+		

69	20.	analysis of potential social conditions for students, including providing places in the hostel			+	
70	21.	EP management is obliged to demonstrate readiness to conduct special adaptation and support programmes for newly entered and foreign students		+		
71	22.	EO should demonstrate that its actions are consistent with the Lisbon Recognition Convention		+		
72	23.	EO should cooperate with other educational institutions 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	24.	EP management should demonstrate the existence of a mechanism for the recognition of the students' results of academic mobility, as well as the results of additional, formal and non-formal education		+		
74	25.	EO should provide an opportunity for external and internal mobility of EP students, as well as a willingness to assist them in obtaining external grants for training.	+			
75	26.	EP management should demonstrate its readiness to provide students with places of practice, to promote the graduates' employment, to maintain communication with them		+		
Total on standards			1	11	0	0
Standard "Teaching Staff"						
76	10.	EO should have an objective and transparent personnel policy, including in EP context, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	11.	EO should demonstrate the compliance of the TS staff potential with EO development strategy and EP specifics	+			
78	12.	EP management should demonstrate awareness of responsibility for their employees and providing them with favorable working conditions		+		
79	13.	EP management should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	14.	EO should determine the contribution of TS of the EP to the implementation of EO development strategy, and other strategic documents		+		
81	15.	EO should provide opportunities for career growth and professional development of TS of the EP		+		
82	16.	EP management is obliged to demonstrate readiness to involve practitioners of the relevant industries in teaching.		+		
83	17.	EO should demonstrate motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activity and education, the use of innovative teaching methods		+		
84	18.	An important factor is the readiness to develop academic mobility within EP framework, to attract the best foreign and national teachers			+	
Total on standard			1	7	1	0
Standard "Education Resources and Student Support Systems"						
85	1.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.		+		
86	2.	EO should demonstrate the sufficiency of material and technical resources and infrastructure, considering the needs of students' various groups in EP context of (adults, working, foreign students, as well as students with disabilities).		+		
87	3.	EP management is obliged to demonstrate the existence of procedures for supporting various groups of students, including informing and consulting. EP management should demonstrate the compliance of		+		

		information resources with EP specifics, including:				
		technological support for students and TS in accordance with educational programmes (for example, online training, modeling, databases, data analysis programmes)				
88	4.	library resources, including the fund of educational, methodological and scientific literature on compulsory education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+		
89	5.	examination of research results, graduation works, dissertations for plagiarism		+		
90	6.	access to educational Internet resources		+		
91	7.	functioning of WI-FI on the territory of the educational organisation		+		
92	8.	EO should strive to ensure that the educational equipment and software intended for use in the development of educational programmes are similar to those used in the relevant industries				
93	9.	EO should ensure a sufficient number of training resources and student support services that meet EP objectives.		+		
Total on standard			0	9	0	0
Standard "Public Information"						
		EO should publish reliable, objective, relevant information about the educational programme and its specifics, which should include:				
94	1.	expected learning outcomes of EP implemented		+		
95	2.	qualifications and (or) qualifications that will be awarded upon EP completion		+		
96	3.	approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment		+		
97	4.	information about passing scores and learning opportunities provided to students		+		
98	5.	information about the possibilities of employment of graduates		+		
99	6.	EP management should provide for various ways of disseminating information, including mass media, information networks to inform the general public and concerned parties		+		
100	7.	Public awareness should include support and explanation of the country's national development programmes and the system of higher and postgraduate education		+		
101	8.	EO should demonstrate the reflection on the web resource of information characterizing it in general and in EP context.			+	
102	9.	An important factor is the availability of adequate and objective information about EP TS		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within EP framework		+		
Total on standard			0	9	1	0
TOTAL			4	91	7	0

4 (3,9 %) of the parameters have the «strong" position»

92 (89,4 %) of the parameters have the «satisfactory" position»

7 (6,8 %) parameters have the position « suggests improvement»

0 % parameters have the position « suggests improvement»