



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
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 on assessment on compliance with the requirements of the standards of international specialized accreditation of joint educational programs

6B04109 State financial management (Bachelors)

6B11202 Innovative emergency management

natural and man-made nature (Bachelors)

D. SERIBAYEV EAST KAZAKHSTAN TECHNICAL UNIVERSITY

April 25-27, 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

*Addressed to
Accreditation
Council of the IAAR*



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(I) ABBREVIATIONS

SOSE – State obligatory standard of education

EHEA – European Higher Education Area

ECTS – European Credit Transfer System

EKTU – D. Serikbayev East Kazakhstan technical university

EP – Educational program

F – Faculty

MES RK – Ministry of Education and Science of the Republic of Kazakhstan

MSHE RK – Ministry of Science and Higher Education of the Republic of Kazakhstan

MofES RK - Ministry of Emergency Situations of the Republic of Kazakhstan

RW – Research work

RWS – Research work of students

QACCES – Quality Assurance Control Committee of the Ministry of Education and Science

RK – Republic of Kazakhstan

WC – Work curriculum

QMS – Quality Management System

IWS – Independent work of students

IWST – Independent work of students under the guidance of a teacher

EMCD – Educational-methodical complex of the discipline

EMD – Educational and methodological department

EMC – Educational and methodological council

ES – Emergency situation



(II) INTRODUCTION

In accordance with Order No. 39-23-OD dated February 24, 2023 of the Independent Agency for Accreditation and Rating, from April 25 to April 27, 2022, an external expert commission assessed the compliance of educational programs 6B04109 State financial management, 6B11202 Innovative emergency management natural and man-made nature East Kazakhstan Technical University named after D. Serikbayev to the standards of primary specialized accreditation of the IAAR (dated May 25, 2018 No. 68-18 / 1-OD, first edition) in a hybrid format.

The report of the External Expert Commission (EEC) contains the assessment of the submitted educational programs to the IAAR criteria, recommendations of the EEC on further improvement of educational programs and parameters of the profile of educational programs.

EEC Members:

1. **Chairman of the IAAR EEC** – Tamyarov Andrey Valerievich, Candidate of Technical Sciences, Associate Professor, Ulyanovsk State Technical University; *off-line participation*

2. **Foreign expert of the IAAR EEC** – Korolev Konstantin Yurievich, Candidate of Economics, Associate Professor, Russian Academy of National Economy and Public Administration under the President of the Russian Federation (RANEPA); *Online participation*

3. **Foreign expert of the IAAR EEC** – Voropaev Viktor Viktorovich, Ph.D., Yanka Kupala State University of Grodno ; *Online participation*

4. **Foreign expert of the IAAR EEC** – Mammadova Leyla Vasif kyzy, Azerbaijan University of Architecture and Civil Engineering (Baku, Republic of Azerbaijan); *Online participation*

5. **Expert of the IAAR EEC** – Aikenova Dina Maratovna, PhD, expert of the 2nd category (Astana, Republic of Kazakhstan) ; *Online participation*

6. **Expert of the IAAR EEC** – Abishev Medeu Yerzhanovich, Doctor of Physical and Mathematical Sciences, Professor, Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan) ; *off-line participation*

7. **Expert of the IAAR EEC** – Kushebina Gulnara Malikovna, Ph.D., Esil University (Astana, Republic of Kazakhstan); *off-line participation*

8. **Expert of the IAAR EEC** – Arzaeva Maya Zhetkergenovna, PhD in Economics, Associate Professor, Kazakh National Agrarian Research University (Almaty, Republic of Kazakhstan); *Online participation*

9. **Expert of the IAAR EEC** – Ualkhanov Baizhan Nurbaevich, Ph.D., Professor, Innovative Eurasian University (Pavlodar, Republic of Kazakhstan); *off-line participation*

10. **Expert of the IAAR EEC** – Mursalimova Elmira Askarovna, Ph.D., Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan); *Online participation*

11. **Expert of the IAAR EEC** – Dzhetpisbayeva Ainur Zhenisbekkyzy, PhD, Kazakh National Research Technical University. KI Satpaev (Almaty, Republic of Kazakhstan) ; *Online participation*

12. **Expert of the IAAR EEC** – Turtkarayeva Gulnara Bayanovna, Ph.D., Associate Professor, Sh. Ualikhanov Kokshetau University (Kokshetau, Republic of Kazakhstan) ; *Off - line participation*

13. **Expert of the IAAR EEC** – Korobkov Maxim Sergeevich, PhD, Gumarbek Daukeev Almaty University of Energy and Communications (Almaty, Republic of Kazakhstan) ; *off-line participation*

14. **Employer-expert of the IAAR EEC** – Pilipenko Yury Alexandrovich, Chairman of the International Association of Producers of Goods and Services "Expobest" (Almaty, Republic of Kazakhstan); *Online participation*

15. **Employer-expert of the IAAR EEC** – Pitakov Vladimir Yuryevich, director Pavlodar regional branch of JSC "UAPF" (Pavlodar, Republic of Kazakhstan); *Online*

participation

16. **Student -expert of the IAAR EEC** – Jabiyeva Maya Rovshan kyzy, 4th year student of the educational program 050813 Social work of the Baku State University (Baku, Republic of Azerbaijan); *Online participation*

17. **Student-expert of the IAAR EEC** – Abilova Indira Tolegenkyzy, 1st year student of the educational program 7M01511 Informatics of the Eurasian National University named after LN Gumilev (Astana, Republic of Kazakhstan); *Online participation*

18. **Student-expert of the IAAR EEC** – Nauryzbayev Sultan, 3rd year student of the educational program 6B04109 State financial management of the Kazakh National University named after al-Farabi, member of the Alliance of Students of Kazakhstan ASK (Almaty, Republic of Kazakhstan); *Online participation*

19. **Student-expert of the IAAR EEC** – Makazhanov Timur Bolatovich, 1st year student of the educational program 7M07303 Cadastre of the Kazakh Agrotechnical University named after S. Seifullin (Astana, Republic of Kazakhstan); *Online participation*

20. **Student-expert of the IAAR EEC** – Islyamgali Nursultan Arturuly, 1st year student of the educational program 6B05101 Biology and Agriculture, Atyrau University named after Kh. Dosmukhamedov (Atyrau, Republic of Kazakhstan) ; *On - line participation*

21. **Student-expert of the IAAR EEC** – Mustafina Mergul Oralbekovna, doctoral student of the first year of study of the educational program 8D05401 of the East Kazakhstan University named after S. Amanzholov (Ust-Kamenogorsk, Republic of Kazakhstan); *off-line participation*

22. **Coordinator of the EEC** – Kydyrmina Nurgul Alimovna, IAAR Project Manager (Astana, Republic of Kazakhstan) . *off-line participation*



(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

In 1996 Ust-Kamenogorsk Construction and Road Institute was reorganized into East Kazakhstan Technical University (hereinafter – EKTU) (Resolution of the Government of RK from May 7, 1996, № 573). In 1997 at the request of the university was awarded the name of the first rector Daulet Serikbaev (Resolution of the Government of RK from November 3, 1997, № 1485). The university offers 98 educational programs at three levels: bachelor's, master's and PhD. The contingent of students is about 5000 people. The university's priority is to train highly qualified and in-demand specialists in metallurgical, machine-building, architectural and construction, information and communication profiles. According to QS Asia University Rankings 2023, which includes 760 Asian universities, D. Serikbayev EKTU ranks 301-350 throughout Asia, 12th place among 32 Kazakhstani higher education institutions. According to the data of Webometrics Ranking of World Universities D.Serikbayev EKTU among 32064 universities of the world takes 4622 position, among 129 universities of Kazakhstan takes 7 place. According to the data of NPT RK Atameken, the share of EPs passed in the TOP 5 - 52%.

EKTU has a state license for the right to conduct educational activities № KZ50LAA00018507 from 29.07.2020, issued by the Committee for Control in the field of education and science of the Ministry of Education and Science of the Republic of Kazakhstan, as well as an addendum to the license to engage in educational activities in the areas of training 6B041-Business and Management, 6B112-Hygiene and occupational health and safety at work.

The data on the teaching staff of accredited EPs, on the contingent of students are presented below in Tables 1-4.

Table 1– Staff composition of the faculty for EP for the last 3 years

Name of indicators	Academic year		
	2020-2021	2021-2022	2022-2023
6B04109 State financial management			
total, people	41	39	42
including Full-time lecturers	30	33	31
including PhD, candidates of sciences	20	15	14
share of full-time lecturers with degrees and titles, %	55.6	45.5	45.2
teaching in the Kazakh language	16	17	17
including PhD, candidates of sciences	8	5	6
6B11202 Innovative emergency management natural and man-made nature			
total, people	12	12	13
including Full-time lecturers	11	11	10
including PhD, candidates of sciences	7	7	6
share of full-time lecturers with degrees and titles, %	67	67	60
teaching in the Kazakh language	8	8	8
including PhD, candidates of sciences	5	5	5

Table 2 – Scientific publications of the faculty on EP for the last 3 years

#	Scientific papers	6B04109 State financial management	6B11202 Innovative emergency management natural and man-made nature
1	Publications in journals included in the database, including WoS, Scopus:	12	27
2	RSCI	56	8
3	KOKSON MNVO RK	28	40
4	Textbooks, teaching aids	5	13
5	Monographs	4	4

Table 3 – Contingent according to EP 6B04109 State financial management, 2020-2023

#	academic year	Total (full-time/distance .)	Language of study (full-time)		State order based (full - time)			Paid based (full time)			Expelled
			Language of study (full-time)		Total	Language of studies		Total	Language of studies		
			KZs	RUs		KZs	RUs		KZs	RUs	
6B04109 State financial management											
1	2020-2021	27+1	20	8	13	even	2	15	6	4	3
2	2021-2022	50+4	45	18	29	22	7	35	20	10	-
3	2022-2023	63+4	45	22	31	25	6	36	23	13	-

Table 4 – Contingent according to EP 6B11202 Innovative emergency management natural and man-made nature, 2020-2023

Code	Name of the educational program	Content _		
		2022	2021	2020
6B11202	Innovative emergency management natural and man-made nature	17	-	8

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION

Educational programs 6B04109 «State financial management», 6B11202 «Innovative emergency management natural and man-made natureare» accredited by the IAAR for the first time.



(V) EEC VISIT DESCRIPTION

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for specialized accreditation of educational programs of the D. Serikbayev East Kazakhstan Technical University in the period from April 25 to April 27, 2023.

In order to coordinate the work of the EEC 21 . 04.2023 _ An on-line introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, heads of departments, teachers, students. A total of 48 representatives took part in the meetings (Table 5).

Table 5 – Information about employees and students who took part in the meetings with the EEC IAAR:

Participant category	Quantity
Rector	1
Vice-Rector's Corps	3
Heads of structural divisions	16
Deans	8
Heads of departments	8
Lecturers	8
Students	5
Total	48

During the visual inspection, members of the EEC for EP 6B04109 State Financial Management, 6B11202 Innovative Safety Management for Natural and Man-made Emergencies got acquainted with the state of the material and technical base, visited the laboratories of chemical analysis, fire safety, a computer class with a GIS system.

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

Members of the EEC for EP 6B11202 Innovative safety management of natural and man-made emergencies visited the practice bases of accredited programs: LLP ASS Korgan, Museum of the Department of Emergency Situations .

Members of the EEC attended training sessions:

- in the discipline "Theory of public administration" (lecture), 3rd year, 6B04109 State financial management , teacher - Islyam G.I. (room G-3-407) via the link: <https://us04web.zoom.us/j/2520028225?pwd=eWQllfNxarHRIjxfKbUrlwNPWk8k6o.1>

- in the discipline "Chemical analysis of the state of the environment" (practice), 1st year, EP 6B11202 Innovative safety management of natural and man-made emergencies, teacher - Zhamanbayeva M.K. (room G-3-212); offline . The lesson was held in the state language, using a presentation in the laboratory. The group was dressed in bathrobes, their hair was removed, the room was previously ventilated, a first aid kit and fire extinguishers were present. There were 6 people who operated on the notes in the notes. The lesson corresponded to the plan, the teacher brought the information intelligibly, constantly requested feedback from the audience. Students also behaved quite actively, clarifying the information received during the lesson.

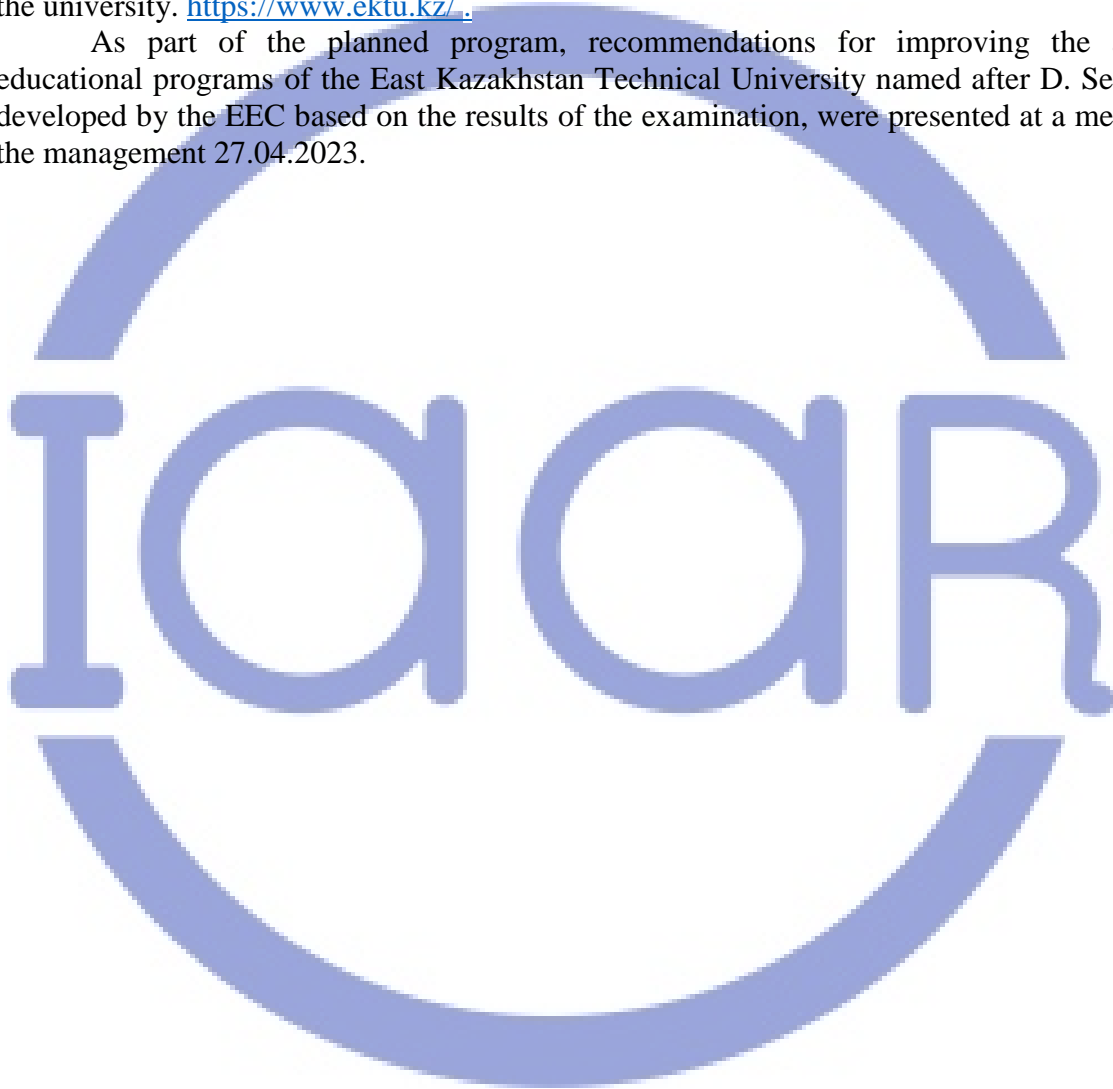
- in the discipline "Fire safety" (lecture), 3rd year, EP 6B11202 Innovative management of the safety of natural and man-made emergencies, teacher - Daumova G.K. (room G-3-209);

offline. The lesson was held in the state language, using a presentation in the lecture room. There were 8 people who operated on the notes in the notes. The lesson corresponded to the plan, the teacher brought the information intelligibly, constantly requested feedback from the audience. At the lesson, elements of a business game were used, in the form of a crossword puzzle and filling in a status plate based on the results of the mastered material. The students were also quite active, asking clarifying questions during the lesson.

In accordance with the accreditation procedure, a survey of 57 teachers, 177 students, including junior and senior students, was conducted.

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

As part of the planned program, recommendations for improving the accredited educational programs of the East Kazakhstan Technical University named after D. Serikbayev , developed by the EEC based on the results of the examination, were presented at a meeting with the management 27.04.2023.



(VI) COMPLIANCE WITH THE STANDARDS OF INTERNATIONAL ACCREDITATION OF THE JOINT EDUCATIONAL PROGRAM

6.1 Standard "Educational program management"

- ✓ *The institution of higher and/or postgraduate education must have a published quality assurance policy that reflects the relationship between research, teaching and learning.*
- ✓ *The organization of higher and (or) postgraduate education must demonstrate the development of a culture of quality assurance, including in the context of EP.*
- ✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.*
- ✓ *The management of the EP demonstrates transparency in the development of the EP development plan, containing 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 stakeholders.*
- ✓ *The EP management demonstrates the existence of mechanisms for the formation and regular review of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.*
- ✓ *The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff, in the formation of the EP development plan.*
- ✓ *The management of the EP must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education*
- ✓ *The organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.*
- ✓ *The management of the EP must provide evidence of the transparency of the educational program management system.*
- ✓ *The management of the EP must demonstrate the existence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, decision-making based on facts.*
- ✓ *The management of the EP must carry out risk management, including within the framework of the EP undergoing primary accreditation, and also demonstrate a system of measures aimed at reducing the degree of risk.*
- ✓ *The management of the EP should ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*
- ✓ *The OO must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.*
- ✓ *The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.*
- ✓ *The management of the EP should be trained in education management programs.*

Evidence

The educational activities of the EKTU are carried out in accordance with the University Development Strategy for 2021-2025, approved by the decision of the Board of Directors of December 28, 2020.

The development strategy of the university for 2021-2025 was formed in accordance with the target indicators of program documents: the State Program for the Development of Education and Science of the Republic of Kazakhstan for 2020-2025, Messages and program articles of the President of the Republic of Kazakhstan (2017-2020), legal documents of the Ministry of Education and Science of the Republic of Kazakhstan, Charter of the university, internal documents of the university in the areas of activity.

Within the framework of the approved Strategy, the processes for designing and developing educational programs EP 6B04109 State financial management, 6B11202 Innovative safety management of natural and man-made emergencies are determined .

The development strategies of EP 6B04109 State financial management, 6B11202 Innovative safety management of natural and man-made emergencies are updated in structure

and content and are implemented through the interaction of all stakeholders, by participating in the development of modular educational programs, a catalog of elective disciplines, providing practice bases, expertise of educational and methodical complexes.

To develop goals and plans for the development of accredited EPs, an analysis is made of the preferences of applicants and their parents, the image of the university in the market of educational services, survey data of teaching staff and students, analysis of the contingent and main characteristics of the contingent of students, analysis of student satisfaction and teaching staff.

The system of internal quality assurance at the university is based on the developed "Policy in the field of quality and quality assurance of NJSC "EKTU named after D. Serikbaev" https://www.ektu.kz/newsevents/uvazhaemye_partnery,_pps,_sotrudniki,_obuchayuschiesya_i_i_kh_zakonnye_predstaviteli!.aspx.

To ensure the quality of the educational process, EKTU has developed and approved appropriate procedures. All student assessment processes, including appeal, are described in the following documented procedures: AP NJSC "EKTU" 029 Academic policy (dated 12/30/2022), DP NJSC "EKTU" 024 Intermediate, final control and assessment of knowledge of students (dated 19.12. 2022), P NJSC "EKTU" 057 Regulations on the procedure for organizing and conducting exams in writing (dated 01.12.2022), DP NJSC "EKTU" 025 Final certification of students (dated 10.03.2023).

In order to control and regularly review educational programs, the Commission for Quality Assurance, the methodological council of the School, which monitor and improve the academic disciplines and educational and methodological documentation of the EP, function.

Analytics

The construction of EP development plans is in line with trends in the business community, as evidenced by the participation of employers in their development and implementation. Representativeness is guaranteed by the choice of employers, for example, the Department of State Revenues for the city of Ust-Kamenogorsk, the Department of Economics and Budget Planning of the East Kazakhstan Region, the Fire Fighting and Rescue Service of the Department for Emergency Situations of the East Kazakhstan Region, the Department of Ecology for the East Kazakhstan Region and others. Adjustment of development plans of accredited EPs is carried out annually, relevant items are introduced at the suggestion of interested parties.

At the same time, at the meeting with the teaching staff, the understanding on the part of the university staff of the incomplete correspondence of the names of the EP to the objective purpose of the content, the understanding of the absence of its innovative component, except for the "high-profile marketing" name, was noted. On the part of the experimental part of the teaching staff and the management of the university, as well as employers, there was a desire not to misinform applicants and employers with such names. Moreover, the experts noted some confusion on the part of the relevant persons of the university due to the lack of a normal methodological framework to identify the professional suitability of the EP, due to the lack of similar ones in other OOs, since the name "Public Financial Management" in itself contradicts the financial and credit policy of the National Bank of the Republic of Kazakhstan, whose functions are clearly defined in the relevant law. At the same time, the name "Innovative Emergency Management..." is also a consistent and unrelated set of marketing words, since in fact it is impossible to manage emergency situations. Situations managed, especially in an "innovative" way (in the understanding of an expert, we are talking about preventive management (ensuring the safety of processes) in order to prevent emergencies) do not turn into emergencies. In the event of an emergency situation, it is always about the localization and elimination of emergency situations, which is already the task of the civil protection forces. The main content and material base of the EP also corresponds to the tasks of the civil protection forces, the division of labor protection and environmental protection.

Heads of educational programs take part in advanced training courses in order to improve their professional skills. So, in 2021, the head of the EP "State Financial Management" Baitikenova G. underwent advanced training in the direction of "Management in Education" in 2019 at KAFU (Kazakhstan), in 2021 at EKTU (Kazakhstan). In 2021 Idrisheva Zh.K. took refresher courses on the topic "Management in Education" at the EKTU (Kazakhstan, Ust-Kamenogorsk).

The internal quality assurance system for educational programs includes: assessment of the quality of training of students for each educational program; assessment of the quality of work of the teaching staff involved in the implementation of each educational program; assessment of the resource support of educational activities (logistical, educational, methodological and library and information support).

The practice of monitoring and evaluating the satisfaction of stakeholders represented by students and teaching staff has been created and is functioning. The questionnaire method is used: "Teacher through the eyes of students", "Teacher through the eyes of colleagues", "University through the eyes of graduates", Survey of employers, "Questioning of freshmen". Surveys are conducted in accordance with DP NJSC "EKTU" 007 Collection and analysis of information on customer satisfaction (dated November 20, 2022).

Meetings with students and teaching staff showed that all stakeholders are involved in ensuring quality assurance, setting goals and development strategies for each educational program. At the same time, the EEC notes the need for regular revision of the EP development plan, taking into account the needs of stakeholders and approaches to disseminating EP development plans, by posting separate documents on the official website. There is a formal approach to risk assessment of the EP (identification of risks, determination of measures to prevent them).

The level of accessibility and responsiveness of the management for students is confirmed by the results of the survey: the level of accessibility of the dean's office is considered completely satisfactory - 84.7% of students, 70.2% of the teaching staff are completely satisfied with the level of accessibility and responsiveness of the university management. It is also necessary to note the well-organized work on the implementation of the intra-university QMS, which had a positive impact on the clear definition of those responsible for business processes within the EP, the distribution of staff duties, the delimitation of the functions of collegial bodies and the corresponding training of the EP management, which has certificates in education management programs.

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- a clear definition of those responsible for business processes within the EP, the distribution of job responsibilities of personnel, the delimitation of the functions of collegial bodies.

- the management of the EP has certificates in education management programs.

Additional strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- transparency in the development of the EP and its desire to meet the expectations of all stakeholders;

- transparency systems management EP;

Recommendations for the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

1. By the beginning of the academic year, the management of the EP should revise the EP Development Plan for the 2023-2024 academic year, taking into account:

- 1.1. The needs of students, the requirements of employers, professional standards;

- 1.2. The internal quality assurance system of the EP including monitoring, fact-based

decision making and risk management.

2. To identify and analyze the risks of the EP and measures aimed at reducing the degree of risk. Based on the analysis carried out, develop a long-term plan (for 5 years) to prevent and overcome risks (Deadline: 09/01/2023).

3. Develop a procedure for informing all stakeholders about the EP development plans by posting separate documents on the official website (Deadline: 09/01/2023).

Additional recommendations for the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

1. By the beginning of the academic year 2023-2024 to analyze the possibility of bringing the name of the EP to a state that is clearly identifiable in terms of content and output qualifications in order to facilitate further employment and opportunities to continue the education of graduates.

2. Draw up a plan, the result of which will be the conclusion of an agreement on JEP with the only specialized university of the Republic of Kazakhstan in the field of emergency response - the Academy of Civil Protection of the Ministry of Emergency Situations of the Republic of Kazakhstan (Deadline: 09/01/2023).

3. Revise the presence of an innovative component in the structure of the EP and clearly define its presence, otherwise, exclude the mention of innovation from the name of the EP (Deadline: 09/01/2023).

Conclusions of the EEC according to the criteria:

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

- " **6B04109 Public financial management** " have 2 strong, 11 satisfactory positions, 2 suggests improvement.

- " **6B11202 Innovative safety management of natural and man-made emergencies** " have 4 strong, 8 satisfactory positions, 3 suggest improvement.

6.2 Standard "Information management and reporting"

✓ *The OO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods to collect and analyze information in the context of the EP.*

✓ *The management of the EP must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.*

✓ *The management of the EP must demonstrate fact-based decision making.*

✓ *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 structural units, scientific research.*

✓ *The PA must establish the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management, and the implementation of scientific projects.*

✓ *The TOE must demonstrate the determination of the procedure for and ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.*

✓ *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.*

✓ *The management of the EP must demonstrate the existence of a mechanism for communication with students, employees and other interested parties, as well as mechanisms for resolving conflicts.*

✓ *The PA must demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP.*

✓ *The PA should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.*

✓ *The information expected to be collected and analyzed 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.*
- ✓ *The PA must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent.*

Evidence

EKTU has a system for collecting and monitoring information on accredited EPs of the cluster. The university has implemented software for automated training systems and information support systems: "Educational portal of the EKTU", "Scientific and innovative activities", "Online service for posting information on the distribution of released grants", "Pre-university training", "Integrated information complex SPORTAL" , "subsystem "Choice of elective disciplines", software "Applicant", etc.

On the official website of the university <https://www.ektu.kz/ektusearch.aspx> ? contains basic information about the content of the programs, the purpose and idea, reflecting the direction of the EP, the area of professional activity.

During the interview, students and teaching staff confirmed documented their consent to the processing of personal data.

Analytics

The EEC notes the reliability, accuracy, timeliness and completeness of information in the context of accredited EPs, which is confirmed by the analytical and statistical information provided to the experts of the EEC, which generally shows stable positive results.

The analysis of information resources shows that the main sources of information dissemination are the university website <https://www.ektu.kz/>

To involve students and university staff in the management of educational programs, collegiate bodies traditional for universities (faculty/school councils, Academic Council, Academic Council) work. At the same time, some employers expressed the opinion that the university ignored some of the recommendations and wishes on their part in terms of filling the content of the EP. For example, despite the name, there are practically no competencies related to the prevention and elimination of man-made emergencies. There was an opinion about the administrative imposition of the "loud name" of the EP.

The university has a feedback system, there are boxes for suggestions and complaints in the buildings , as well as virtual communication (the rector's blog; the admission committee's blog, a suggestion box), and conducting a survey. However, during the conversation with students, it was noted that not all students are aware of the existence of an appeal mechanism, complaints, etc.

According to the results of the survey of teaching staff, the question of assessing the involvement of teachers in the process of making managerial and strategic decisions received answers: "very good" - 38.6% of respondents, "good" - 57.9%.

Strengths of the EPs:

- " **6B04109 State financial management** "
 - has no strengths under this Standard.
- " **6B11202 Innovative emergency management natural and man-made nature** " :
 - a well-functioning quality management system, which is an important component in processes with protocol decisions, which is training under the 6B11202 program.

Recommendations for the EPs:

- " **6B04109 State financial management** " :
 1. In order to improve the efficiency of communication with students and other interested parties, the management of the EP should rework the procedure for informing about the feedback

mechanism, complaints, appeals, etc. (Deadline: 01.01.2024).

- "6B11202 Innovative emergency management natural and man-made nature":

1. When making decisions, the management of the EP must be guided not only by the directive decisions of the LEA and the management of the PA, but also proceed from the available resources for providing the EP and the requests of employers. In this regard, by 2024 it is necessary to revise the content of the EP and expand the subject of man-made emergencies, bringing its share in the content to 50%, based on the specifics of the industry of the city of Ust-Kamenogorsk and East Kazakhstan region.

Conclusions of the EEC according to the criteria:

According to the standard "Information Management and Reporting" EP:

- "6B04109 State financial management " all 16 have a satisfactory position.

- "6B11202 Innovative emergency management natural and man-made nature " have 1 strong , 14 satisfactory positions and 1 requiring improvements .

6.3 Standard "Development and approval of the educational program"

✓ *The TOE shall define and document the procedures for the development of EPs and their approval at the institutional level.*

✓ *The management of the EP must ensure that the content of the EP complies with the established goals, including the intended learning outcomes.*

✓ *The management of the EP must demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society.*

✓ *The management of the EP should ensure the availability of developed models of the EP graduate that describe the learning outcomes and personal qualities.*

✓ *The management of the EP must demonstrate the conduct of external reviews of the content of the EP and the planned results of its implementation.*

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

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

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

✓ *The management of the EP must provide evidence of the participation of students, teaching staff and other interested parties in the development of the EP, ensuring its quality.*

✓ *The management of the EP should ensure that the content of the academic disciplines and the planned results correspond to the level of education (bachelor's, master's, doctoral studies).*

✓ *The structure of the EP should provide for various types of activities that ensure the achievement of the planned learning outcomes by students.*

✓ *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.*

Evidence

The goals of the accredited EPs are clearly formulated and correspond to the Mission, goals, values of the EKTU.

In order to achieve the planned learning outcomes, the teaching staff of the EP, students and employers participate in the development of the cluster EP in order to achieve the planned learning outcomes.

From among the employers, the heads of the leading enterprises and organizations of the region, the profile of activity, work experience in the specified industry, whose qualifications strictly correspond to the profile of training students, are involved.

For external expertise involved: within the framework of the EP " 6B04109 State Financial Management " - Head of the Department for Work with Legal Entities Raisova LK, Head of the Department of Economics and Budget Planning of the East Kazakhstan Region Ulakova ST; within the framework of the EP " 6B11202 Innovative safety management of natural and man-made emergencies " - the head of the personnel policy department of the State

Institution "Fire Fighting and Emergency Rescue Operations of the Region" Mustafin A.K., chief technical manager for labor protection and emergencies of Ust-Kamenogorsk Condenser plant "B.Kairatuly and others.

The accredited EP displays the logical sequence of mastering , disciplines, practices, final certification, defense of the thesis, ensuring the formation of general and special competencies. The complexity of the disciplines of cycles in ECTS credits, all types of professional practice, final certification are indicated.

The learning outcomes for the cluster EP are determined by the acquired competencies, which are spelled out in the models of graduates. For each accredited EP, a modular educational program has been developed that contains a graduate model, which is aimed at developing relevant competencies that allow achieving results in the professional field of activity of the appropriate level of education.

The conclusions of the EEC on this standard were confirmed at the meetings of the EEC with the leadership of the EP, students and teaching staff.

Analytics

The university has official mechanisms for the development, approval, periodic evaluation and monitoring of the implemented EP and the qualifications awarded, which is reflected in the legal documents approved by the Academic Council of the university and regulating educational activities at the university.

The goals and corresponding tasks of educational programs are developed taking into account the industry specifics of the areas of training and the expectations of employers in terms of the formation of the competencies of future specialists.

However, the EEC commission notes the absence of a mechanism for informing all interested parties about any planned or taken actions regarding the EP on the university website, the university does not publish information about the changes made to the EP.

It should also be noted that at the time of the visit of the EEC, the results of the work on joint EPs and academic mobility in the EP " State Financial Management " and « 6B11202 Innovative safety management of natural and man-made emergencies » were underrepresented, which is an insufficient measure to meet this criterion.

VEC, having studied the materials aimed at preparing for professional certification in the EP " State Financial Management " and " 6B11202 Innovative safety management of natural and man-made emergencies ", notes that it is necessary to make changes to the modules to empower students to prepare for obtaining industry professional qualifications (CFM , etc.). Moreover, at a meeting with the leadership of the state fire departments (practice bases), the opinion was expressed that students in EP 6B11202 have poor physical training; training on the NLA, which regulates the norms of the civil service, which so far are the bodies of the Ministry of Emergency Situations; and the absence in the structure of the EP of a separate course of first aid with an assessment in the transcript, which may prevent graduates from further employment in the units of the Ministry of Emergency Situations.

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EPs:

- ***"6B04109 State financial management":***

1. For the 2023-2024 academic year, consider the possibility of preparing students for professional certification .

- ***"6B11202 Innovative emergency management natural and man-made nature":***

1. For the 2023-2024 academic year, consider the possibility of preparing students for professional certification following the example of TVE educational organizations in the field of

prevention and elimination of emergencies (for example, the Karaganda Higher Polytechnic College).

2. By 2024-2025, consider the issue of obtaining an educational license by the university for the groups of specialties 6B12302-04 and 6B12101 and transfer the regulatory framework of the accredited EP to the platform of one of them.

3. By the beginning of the 203-2024 academic year, in the curriculum of the EP, increase the number of credits in special disciplines by at least 70% of the total number of credits.

4. To accept the updated qualification requirements for employees of the subdivisions of the Ministry of Emergency Situations of the Republic of Kazakhstan as basic to the output competencies of EP graduates. For this, including:

- Separate the course of emergency medical care into a separate discipline with mandatory final control;
- Strengthen the block of knowledge related to the legislation on civil service and service in specialized state bodies;
- Increase the number of hours for general physical training and bring the standards for general physical training closer to those adopted in the operational units of the Ministry of Emergency Situations.

Conclusions of the EEC according to the criteria:

By the standard " Development and approval of the educational program ":

- " **6B04109 State financial management** " have 11 satisfactory, 1 suggesting improvement positions.
- " **6B11202 Innovative emergency management natural and man-made nature** " have 7 satisfactory positions , 5 - requires improvements .

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

- ✓ *The PA should determine the mechanisms for monitoring and periodically evaluating the EP to ensure the achievement of the goal and meeting the needs of students, society, and show the focus of the mechanisms on the continuous improvement of the EP.*
- ✓ *Monitoring and periodic evaluation of the EP should include:*
 - *the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;*
 - *changes in the needs of society and the professional environment;*
 - *workload, performance and graduation of students;*
 - *the effectiveness of student assessment procedures;*
 - *expectations, needs and satisfaction of students with EP training;*
 - *educational environment and support services, and their compliance with the objectives of the EP.*
- ✓ *The management of the EP must demonstrate a systematic approach in monitoring and periodically assessing the quality of the EP.*
- ✓ *The OO, the management of the EP should determine a mechanism for informing all interested parties about any planned or taken actions in relation to the EP.*
- ✓ *All changes made to the EP must be published*

Evidence

In order to manage and improve activities in the EKTU, monitoring is carried out in various areas, including individual educational programs. The monitoring system is an important tool for managing the quality of the university's activities.

The purpose of monitoring is to assess the quality of the managerial, educational, research and educational work of the university, on the basis of which optimal decisions are selected for organizing the effective activities of the EKTU. Monitoring is carried out in the

following areas: educational programs, teaching staff activities and teaching effectiveness, students and conditions for their personal development, research activities and its effectiveness, material and technical, library and information resources.

The university carries out internal verification of documentation for adequacy, analysis, identification of changes, coordination and approval of documents. The current documentation is systematically reviewed and updated.

On the official website of the university there are university documents (Strategic Plan, Academic Policy, etc.) (<https://www.ektu.kz/>). In all departments of the university, office work is carried out in accordance with the approved nomenclature of cases, the safety and archiving of documents is ensured.

Every year, the university conducts a survey of teaching staff, employees and students. The data of the questionnaires are processed and used as an analytical document in the field of improving the management of the university and the EP.

The EEC members made sure that the material, technical and information resources of the EKTU correspond to the profile and requirements for the implementation of the accredited EP " State Financial Management " and " 6B11202 Innovative safety management of natural and man - made emergencies " .

Analytics

At the same time, the commission notes that the following issues related to this standard are reflected in the self-report and were confirmed during the EEC visit.

Protocols meetings departments confirm participation students And employers V developing EP "State financial management " and " 6B11202 Innovative safety management of natural and man - made emergencies " . Reviews from employers on EP " State financial management " and " 6B11202 Innovative safety management of natural and man-made emergencies " updated, V content EP introduced recommended disciplines. In the process of interviewing the EEC IAAR students, it was noted that Not all students have information on the EP.

Information and documents have been confirmed, indicating that the management of the EP studied the market of educational services and used the results of this analysis to create their own unique and competitive profile of the evaluated EP.

Strengths of the EP:

"6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

1. Develop regulations for expansion opportunities and ways to inform stakeholders about any planned or undertaken actions in relation to the EP (Deadline: 01/01/2024);

Conclusions of the EEC according to the criteria:

According to the standard " Continuous monitoring and periodic evaluation of educational programs " EP " 6B04109 State financial management ", " 6B11202 Innovative safety management of natural and man-made emergencies " have 10 satisfactory positions.

6.5 Standard "Student-centered learning, teaching, and learning assessment"

✓ *The management of the EP should ensure respect and attention to the various groups of students and their needs, provide them with flexible learning paths.*

- ✓ *The management of the EP should provide for the use of various forms and methods of teaching and learning.*
- ✓ *An important factor is the presence of own research in the field of teaching methods of academic disciplines of the EP.*
- ✓ *The management of the EP should demonstrate the existence of feedback mechanisms on the use of various teaching methods and the assessment of learning outcomes.*
- ✓ *The management of the EP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.*
- ✓ *The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.*
- ✓ *The OO must ensure the consistency, transparency and objectivity of the mechanism for evaluating learning outcomes for each SP, including appeal.*
- ✓ *The PA must ensure that the procedures for assessing the learning outcomes of students of the EP correspond to the planned results and goals of the program, publishing the criteria and assessment methods in advance.*
- ✓ *The PA should define the mechanisms for ensuring the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation.*
- ✓ *Assessors should be proficient in modern methods of evaluating learning outcomes and regularly improve their skills in this area.*

Evidence

The principle of student-centered learning at EKTU is based on respect and attention to the personality of students and their needs, expressed in the provision of flexible learning paths; the use of various forms of teaching and a variety of pedagogical methods and technologies; regular feedback on all issues; supporting learner autonomy while providing proper guidance and assistance from the teacher; strengthening mutual respect between teacher and student.

In EKTU, the conditions for inclusive education are not sufficiently created. At the same time, EP “ 6B11202 Innovative safety management of natural and man-made emergencies ” accredited in the cluster according to experts, it does not imply the presence of inclusive education at the level of undergraduate and applied application.

The practice bases of the EKTU for the most part correspond to the profile of accredited EPs, all types of practice are provided with educational and methodological materials. However, the number of practice bases demonstrated by the university does not include specialized units for emergency situations of large industrial enterprises of the city and region, which, according to experts, is a significant flaw in the management of the EP.

Based on the results of the student survey conducted within the framework of the EEC IAAR, it was determined that, in general, equal opportunities are provided to all students : “ Full agreement ” - 76.8 % , “ I agree ” - 19.8 % .

Also, a survey of EEC students showed that:

- the program of the course was clearly presented “ Full agreement ” - 78 % , “ Agree ” - 17.5 % .

- Informing the requirements in order to successfully complete this specialty "Fully satisfied" - 86.4%, "Partly satisfied" - 11.3%.

Analytics

The management of the university provides opportunities to meet student-centered learning. The results of a consistent study of the effectiveness of elective courses make it possible to judge a stable positive dynamics in the assimilation of the developed content of the programs, focused on the formation of students' professional competencies. At the same time, in the course of a conversation with student experts, it was found that they identify the content of their training and see their applied application more in the role of labor inspectors, but at the same time they realize that in conditions of commercial employment (in private enterprises), the market for supervisory inspectors is very limited. This causes them to be concerned about the prospects for employment in the operational units of state bodies, for which the competencies provided by the EP are insufficient.

The requirements for teaching and, in general, for teaching activities correspond to the principles of implementing student-centered learning. The management of the EP is responsible for the systematic development, implementation and effectiveness of active learning methods and innovative teaching methods. The teachers of the department create favorable conditions for students to master the disciplines of the EP and receive an academic degree. However, the commission of the EEC notes the weak representation of their own research in the field of teaching methods of academic disciplines, taking into account the specifics of the EP.

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EPs:

- "6B04109 State financial management":

1. In the 2023-2024 academic year, provide for own research in the development plan of the EP in the context of the methodology for teaching profile disciplines, taking into account the specifics of the EP;

- «6B11202 Innovative emergency management natural and man-made nature » :

1. By January 2024, analyze the compliance of core competencies with the requirements of the labor market and adjust them in order to prepare students for the recruitment of operational rescue services, and not for control and inspection activities.

Conclusions of the EEC according to the criteria:

According to the standard "Student-centered learning, teaching and performance assessment EP "6B04109 State financial management ", "6B11202 Innovative emergency safety management natural and technogenic character " have 10 satisfactory positions.

6.6 Standard "Learners"

✓ *The PA must demonstrate the existence of a policy for the formation of a contingent of students in the context of the EP, ensure transparency and publicity of its procedures governing the life cycle of students (from admission to completion).*

✓ *The management of the EP should determine the procedure for the formation of a contingent of students based on:*

- *minimum requirements for applicants;*
- *the maximum size of the group when conducting seminars, practical, laboratory and studio classes;*
- *predicting the number of government grants;*
- *analysis of available material, technical, information resources, human resources;*
- *analysis of potential social conditions for students, incl. provision of places in the hostel.*

✓ *The management of the EP must demonstrate its readiness to conduct special adaptation and support programs for newly enrolled and foreign students.*

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

✓ *The PA should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.*

✓ *The PA should provide an opportunity for external and internal mobility of students of the EP, as well as readiness to assist them in obtaining external grants for training.*

✓ *The management of the EP must demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain contact with them.*

✓ *The PA should provide for the possibility of providing graduates of the EP with documents confirming the qualifications received, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.*

Evidence

When forming a contingent of students, EKTU is guided by the current regulatory framework of the Ministry of Education and Science of the Republic of Kazakhstan . Admission of citizens to the University is carried out on the basis of the results of a unified national testing (UNT) or complex testing (CT), conducted according to the rules and procedures developed by the National Testing Center of the Ministry of Education and Science of the Republic of Kazakhstan (NTC).

When forming the contingent of students, the threshold levels of English proficiency are determined, as well as the UNT threshold score for admission to a grant and a paid department .

EKTU has established career guidance. The contingent of students is formed from groups in which training is conducted in the state and Russian languages. The University is systematically working on the collection and analysis of statistical data on the contingent of students. The organization of educational work is carried out in accordance with the regulatory documents both through the Ministry of Education and Science of the Republic of Kazakhstan, and through the QMS of the university. In order to ensure the growth of the quality of educational services provided, students are systematically surveyed.

Student scientific work is one of the forms of organizing the research work of students. The results of the research work of students (NIRS, NIRM) are continued in writing theses and dissertations. Topics of theses and dissertations are determined taking into account the interests of students, the scientific priorities of the teaching staff of the department and the relevance of the problems.

The university pays attention to monitoring annual employment and direct feedback with the labor market, which allows you to control the compliance of strategic plans with real demand in the educational services market.

The results of a student survey conducted during the visit of the EEC IAAR showed that:

- The overall quality of the training programs " Fully satisfied " - 81.9%, "Partly satisfied " - 16.9%.
- The speed of response to feedback from teachers regarding the educational process " Fully satisfied " - 79.7%, "Partly satisfied " - 17.5%.

Analytics

The policy of forming a contingent at the university is regulated and reflected in the Academic policy of the university. The principles of creating an educational environment for students to achieve the required professional level, methods of feedback and informing students are presented. The university is evaluating communication with employers.

Along with the advantages of the university described above within the framework of this standard, during a conversation with students, it was found that almost all of them are students of the military department of the university. At the same time, the VUS students are represented by purely military branches of the armed forces as artillery, tank, motorized rifle troops. It seems to the expert that this is irrational, given that all stakeholders have repeatedly pointed out the lack of loans for special disciplines. We believe that when preparing students at the military department for the Higher School of Civil Protection and Territorial Forces, the missing part of the special competencies could be acquired by the trainees at the military department, which, along with obtaining the title of reserve officer of civil protection forces, would have a positive impact on their employment (conscription and mobilization through military commissariats) to units of the Department of Emergency Situations.

One of the most common tools for attracting employers to the problems of youth in the labor market was the "Career Day", "Fair of Specialists".

The university operates the Altyn Besik Alumni Association . The activities of the Association are focused on voluntary leadership in order to transform the EKTU, preserve its best traditions, promote corporate professional unity, exchange of experience and realize professional scientific and creative potential (detailed information about the activities of the Association [https://www.ektu.kz/alumniassociation.aspx ? lang=ru](https://www.ektu.kz/alumniassociation.aspx?lang=ru))

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EPs:

- ***" 6B11202 Innovative emergency management natural and man-made nature " :***
 - From the 2023-2024 academic year, if there is a desire of students to graduate from a military department, ensure their enrollment in the military registration specialty "Planning and organization of territorial defense" in their own or another university.
- ***" 6B04109 State financial management "***
 - There are no recommendations for this standard.

Conclusions of the EEC according to the criteria:

According to the standard "Students", EP "6B04109 State financial management", "6B11202 Innovative safety management of natural and man-made emergencies" have 12 satisfactory positions.

6.7 Standard "Faculty"

- ✓ *The PA must have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.*
- ✓ *The PA must demonstrate the compliance of the staff potential of the teaching staff with the specifics of the EP.*
- ✓ *The management of the EP must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions*
- ✓ *The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning. 7.2.5 The OO must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the OO, and other strategic documents.*
- ✓ *The PA should provide opportunities for career growth and professional development of the teaching staff of the EP.*
- ✓ *The management of the EP must demonstrate readiness to involve practitioners in the relevant sectors of the economy in teaching.*
- ✓ *The PA must demonstrate the 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.*
- ✓ *An important factor is the readiness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers.*

Evidence

The process of promotion and rotation of personnel is carried out by management on the basis of professional achievements, performance discipline, managerial skills of the employee. The process of selection, recruiting and certification of personnel is directly related to the movement of personnel, which is reflected in the relevant orders of the university and is carried out by management on the basis of professional achievements, performance discipline, and managerial skills of the employee.

The qualifications of teachers, their quantitative composition correspond to the areas of training of bachelors and masters, meet licensing requirements. The qualifications of teachers

accredited by the EP for the 2022/2023 academic year, their quantitative composition are presented in Table 1. Accredited educational programs are focused on learning outcomes and take into account the requirements of relevant professional standards for the implementation of a comprehensive system of conformity assessment and qualifications. All teachers of accredited EPs meet the requirements for the teaching staff of the university and the objectives of the EP, have the appropriate basic education and / or a degree in the profile of training students.

Teaching staff of accredited EPs make a great contribution to the development of the economy, education, science and culture of the region and the country. The main contribution is the training of qualified personnel capable of making a significant contribution to the development of the region and the country. In addition, teaching staff are actively engaged in scientific research, the results of which are used in the teaching process (Table 6).

Table 6 - Information on the implementation of the teaching staff of the department of state budget, economic contracts and initiative topics for EP

No. p/p	Topic name	Registration number of NCSTE	Head (position, academ. degree, academ. rank)	The nature of research	Artists: Full name, Status (Teaching staff, UVP, undergraduates, students)	Sources and amount of funding
1	Formation of an effective ecosystem of financial support for environmentally responsible investments in Kazakhstan	AP08856044	Varavin E.V.	grant of the Ministry of Education and Science of the Republic of Kazakhstan	Kozlova M.V., Suyeubaeva S.N., Pestunova G.B., Betimbaeva I. B., Egizekov O. M., Nigmanov I.K.	MES RK, 19700.0 thousand tenge
2	Digital Entrepreneurship: How the Pandemic is Transforming Forms of Employment in Kazakhstan	AP08956088	Pestunova G.B.	grant of the Ministry of Education and Science of the Republic of Kazakhstan	Varavin E.V., Kozlova M.V., Suyeubaeva S.N.,	MES RK, 1998,627 thousand tenge

3	Development of a tariff for the collection, removal, disposal, processing and disposal of municipal solid waste in the city of Ust-Kamenogorsk	35-479-21	Krause N.V.	Contractual agreement within the framework of the contract on public procurement of works with the State Institution "Housing and Communal Services Department, passenger transport and highways of the city of Ust-Kamenogorsk»	Krause N.V.	Local budget, 0 thousand tenge
Total						21698.6

Based on the results of the survey conducted during the work of the EEC, it was determined that the teaching staff of the evaluated EPs are satisfied with their relations with colleagues at the department; participation in making managerial decisions; relationships with students; recognition of their successes and achievements by the administration; activities of the university administration; terms of remuneration; convenience of work, services available at the university; labor protection and safety, food system, medical and other services.

As for other criteria, the survey showed the following:

- the attitude of the university management towards you - 75.4% are completely satisfied and 1.8% are not satisfied;

- provision of a social package: recreation, sanatorium treatment, etc. - 38.6% are completely satisfied, 45.6% are partially satisfied and 7% are not satisfied.

Analytics

The university has and actively operates a system of motivation and encouragement of teaching staff, which makes it possible to stimulate the work of teaching staff, including research. However, this system is not effective in terms of providing teaching staff with all professional competencies.

During the work of the EEC, members of the expert commission attended online and

offline classes on EP "6B04109 State financial management", "6B11202 Innovative safety management of natural and man-made emergencies". When attending classes online, it was determined that the method of transmitting information from the lecturer to the student prevails, without the use of any interactive methods. At the same time, when attending classes offline, the experts demonstrated the mutual interest of teachers and students, a lively dialogue during training, which, unfortunately, was limited by the resource provision and special competencies of the teaching staff of the EP. Consequently, the EEC members concluded that it is necessary to improve the teaching methods in connection with the constant and systematic development of innovative teaching technologies, teachers need to master new technologies, assessment methods, in particular, the methodology for developing criteria for assessing students. Moreover, teaching staff should be more demanding on the management of the PA in terms of providing the learning process with material and technical resources and improving their qualifications with special competencies.

Strengths of the EPs:

- ***"6B04109 State financial management"***:
 - according to this Standard, the EP does not have strengths.
- ***"6B11202 Innovative emergency management natural and man-made nature "***:
 - awareness of the teaching staff of responsibility for the quality of the disciplines taught and self-criticism in terms of improving their special competencies.

Recommendations for the EPs:

- ***"6B04109 State financial management"***:
 1. Develop a long-term plan for mastering and improving teaching methods in connection with the constant and systematic development of innovative learning technologies (Deadline: 09/01/2023).
- ***"6B11202 Innovative emergency management natural and man-made nature "***:
 1. Starting from September 2024, include in the structure of the annual individual load of the teaching staff the passage of advanced training in the leading organizations of the region in the direction of the OP, or their training in the full cycle of readable disciplines at the Academy of Civil Protection of the Ministry of Emergency Situations of the Republic of Kazakhstan for a period of at least 2 months to obtain practices and oriented learning experience with maintaining wages and positions in the university.

Conclusions of the EEC according to the criteria:

According to the EP "6B04109 Public financial management" they have 9 satisfactory positions.

According to EP "6B11202 Innovative safety management of natural and man-made emergencies " has 1 strong, 7 satisfactory positions and 1 requiring improvement.

6.8 Standard "Educational resources and student support systems"

- ✓ *The OO must guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the EP.*
- ✓ *The OO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of the EP (adults, employed, foreign students, as well as students with disabilities).*
- ✓ *The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling.*
- ✓ *The EP management must demonstrate the compliance of information resources with the specifics of the EP, including:*
 - *technological support for students and teaching staff (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, graduation works, dissertations for plagiarism;*
 - *access to educational Internet resources;*
 - *functioning of WI-FI on the territory of the educational organization.*
- ✓ *The OO demonstrates the planning of providing the EP with educational equipment and software similar to those used in the relevant sectors of the economy.*

Evidence

In the libraries of the university there is a card index of the provision of literature, which is constantly updated with information about new arrivals of books. Information certificates, tables on the availability of educational and educational-methodical literature for each discipline of the curriculum, including publications on electronic media, are compiled. The departments of the university maintain card indexes of book supply in paper and electronic forms. All disciplines of the working curricula of the university specialties are highly provided with the necessary literature.

The book fund of the library is annually replenished with publications on traditional media, as well as publications in electronic form.

Book fund of the library:

Total: 1,030,441 copies.

Of them: on kaz. lang. - 94080 copies.

In Russian lang. - 910743 copies.

For foreign lang. - 21976 copies.

On a daily basis, the collection of electronic documents of the scientific library fund is replenished.

To date, the DB Electronic Library is 8862 copies of full-text documents (including 1563 literature of a rare collection). Of these, 1807 in Kazakh, 6485 in Russian, 367 in English and other languages.

Through remote access, teachers, staff and students have the ability to view, download partial or full text of textbooks, manuals, dictionaries and reference books. Remote access is organized through login and password authorization .

Analytics

The educational process within each EP is provided with the necessary classroom fund, educational laboratories, computer classes. In the preparation of students in EP 6B04109 State financial management, EP 6B11202 Innovative safety management of natural and man-made emergencies, 5 computer classes are involved, one of which is located on the basis of the Competence Center in the field of ecology and the Belarusian Railway of the School of Metallurgy and Mineral Processing. In the above computer classes, classes are held in special disciplines of accredited EPs. To improve the level of professional training in the office G-3-208 there are 10 PCs of the latest generation. Class computers are connected to the university corporate network. However, during interviews with teaching staff, students and employers, insufficient acquisition of EP 6B11202 "Innovative management of the safety of natural and man-made emergencies" with special laboratory and technical training aids was noted, which does not allow forming all the competencies of a specialist for the labor market. For example, the experts noted the lack of equipment that meets the minimum modern requirements and relatively inexpensive equipment: the training and laboratory complex "Automated extinguishing complex"; laboratory stand "Automatic powder fire extinguishing system"; to the case of a fire investigator; vibration noise meter "Assistant"; gas analyzer GANG4; with tenda-simulators "Extinguishing agents. Fire extinguishers", "Gas masks", "Breathing apparatus", "Rescue equipment"; dosimetric complexes for radiation and chemical protection, including army complexes for dosimetric reconnaissance.

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EPs:

- **"6B04109 State financial management":**

- There are no recommendations for this standard.

- **"6B11202 Innovative emergency management natural and man-made nature " :**

1. Until 2025, to provide an innovative focus on the EP with a set of laboratory simulators, stands ov -tablets ov , demonstration models and equipment, including those indicated in the analytical part or their analogues.

Conclusions of the EEC according to the criteria:

According to the standard "Educational resources and student support systems" EP "6B04109 State financial management", "6B11202 Innovative safety management of natural and man-made emergencies" have 9 satisfactory positions.

6.9 Standard "Public information"

✓ *The PA must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:*

- *expected learning outcomes of the educational program being implemented;*
- *qualification and (or) qualifications that will be awarded upon completion of the educational program;*
- *approaches to teaching, learning, as well as a system (procedures, methods and forms) of assessment;*
- *information about passing scores and learning opportunities provided to students;*
- *information about employment opportunities for graduates.*

✓ *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 parties.*

✓ *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 OO must demonstrate the reflection on the web resource of information that characterizes it as a whole and in the context of educational programs.*

✓ *An important factor is the availability of adequate and objective information about the teaching staff of the EP.*

✓ *An important factor is informing the public about cooperation and interaction with partners within the framework of the EP.*

Evidence

The main opportunities for informing the public and all interested parties about the activities of the university is the official website, which in turn is filled with all kinds of information on all areas of the university <https://www.ektu.kz> . Also, if necessary, you can use the virtual feedback and call center <https://www.ektu.kz/call-center.aspx> , where they can answer all your questions.

The main questions of the educational process are published on the website of the EKTU in the section "Educational Portal of the EKTU" <https://www.do.ektu.kz/doektu/Default.aspx> ?

The general public and interested parties are also informed about the activities of the university through social networks - Instagram, Facebook, Twitter, Telegram, Youtube.

Information on the passage of institutional and specialized accreditation in the national ranking of universities of the Republic of Kazakhstan, conducted by IAAR and the ranking of universities, conducted by the republican rating agency, is located on the main page of the site <https://www.ektu.kz> . Also, the accredited EPs annually take part in the rating of NCE "Atameken", according to which EPs show a positive development trend.

Analytics

The management of accredited EPs uses various ways to disseminate information: the university website, Career Day, Specialists Fair, Night at the University based on the university, round tables with heads of enterprises and organizations, an exhibition of achievements, social networks and work in the field career guidance.

Within the framework of the evaluated EPs, the information is quite accurate and objective, but not always up-to-date, which indicates the lack of systematic monitoring and analysis of the content of the official website of the PA.

When monitoring the official website and social networks of the EKTU, it was confirmed that all the events taking place in the country find comments and responses.

At the same time, the members of the EEC determined that on the website of the university, there is not enough relevant visualized information about the teaching staff, the leadership of the department, employers, and places of professional practice. There is also no information on the possibilities for developing personal and professional competencies of students and employment directly for each of the implemented EPs.

It is necessary to use content information on the evaluated EPs, on the teaching staff of the department, which, among other things, inform the public of the region, the country in explaining the national development programs of the country and the system of higher and postgraduate education, the development of the EP. It is important to post visual and content information about teaching staff, their success stories and professional achievements in the proposed 3 languages in an authentic format: Kazakh, Russian, English. At the same time, it is necessary to post information not only about the leading teaching staff implementing the evaluated EP, but about all the teaching staff of specific EPs.

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Recommendations for the EPs:

- "6B04109 State financial management":

1. Develop regulations for updating objective information about the teaching staff, their professional qualifications, scientific and educational achievements (Deadline 09/01/2023).
2. Select a section on the NGO website within the framework of information about the OP with information about partners. (Deadline : 01.01.2024)

- "6B11202 Innovative emergency management natural and man-made nature " :

1. Draw up a plan for digitization and translation into the state language of special technical literature on the EP, including from the old unique UKSDI fund (deadline 09/01/2023);
2. To plan the annual participation of teaching staff and other employees of the university in various exhibitions (including international ones) of achievements in the prevention and elimination of emergencies.

Conclusions of the EEC according to the criteria:

According to the standard "Informing the public" EP "6B04109 State financial management"; "6B11202 Innovative safety management of natural and man-made emergencies" have 10 satisfactory positions.

(VII) REVIEW OF THE STRENGTHS OF EACH STANDARD

Standard "Educational program management"

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- a clear definition of those responsible for business processes within the EP, the distribution of job responsibilities of personnel, the delimitation of the functions of collegial bodies.
- the management of the EP has certificates in education management programs.

Additional strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- transparency in the development of the EP and its desire to meet the expectations of all stakeholders;
- transparency systems management EP;

Standard "Information management and reporting"

Strengths of the EPs :

- "6B04109 State financial management "
- has no strengths under this Standard.
- "6B11202 Innovative emergency management natural and man-made nature " :
- a well-functioning quality management system, which is an important component in processes with protocol decisions, which is training under the 6B11202 program.

Standard "Development and approval of the educational program"

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Standard "Continuous monitoring and periodic evaluation of educational programs"

Strengths of the EPs:

- "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature"
- according to this Standard, the EP does not have strengths.

Standard "Student-centered learning, teaching, and learning assessment"

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Standard "Learners"

Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Standard "Faculty"

Strengths of the EPs:

- "6B04109 State financial management":
- according to this Standard, the EP does not have strengths.
- 6B11202 Innovative emergency management natural and man-made nature »
- awareness of the teaching staff of responsibility for the quality of the disciplines taught and self-criticism in terms of improving their special competencies.

Standard "Educational resources and student support systems"
Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.

Standard "Public Information"
Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

- according to this Standard, the EP does not have strengths.



VIII. REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD

Standard "Educational program management"

Recommendations for the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

1. By the beginning of the academic year, the management of the EP should revise the EP Development Plan for the 2023-2024 academic year, taking into account:

1.1. The needs of students, the requirements of employers, professional standards;
1.2. The internal quality assurance system of the EP including monitoring, fact-based decision making and risk management.

2. To identify and analyze the risks of the EP and measures aimed at reducing the degree of risk. Based on the analysis carried out, develop a long-term plan (for 5 years) to prevent and overcome risks (Deadline: 09/01/2023).

3. Develop a procedure for informing all stakeholders about the EP development plans by posting separate documents on the official website (Deadline: 09/01/2023).

Additional strengths of the EP "6B11202 Innovative emergency management natural and man-made nature":

4. By the beginning of the academic year 2023-2024 to analyze the possibility of bringing the name of the EP to a state that is clearly identifiable in terms of content and output qualifications in order to facilitate further employment and opportunities to continue the education of graduates.

5. Draw up a plan, the result of which will be the conclusion of an agreement on JEP with the only specialized university of the Republic of Kazakhstan in the field of emergency response - the Academy of Civil Protection of the Ministry of Emergency Situations of the Republic of Kazakhstan (Deadline: 09/01/2023).

6. Revise the presence of an innovative component in the structure of the EP and clearly define its presence, otherwise, exclude the mention of innovation from the name of the EP (Deadline: 09/01/2023).

Standard "Information management and reporting"

Recommendations for the EPs:

- "6B04109 State financial management":

1. In order to improve the efficiency of communication with students and other interested parties, the management of the EP should rework the procedure for informing about the feedback mechanism, complaints, appeals, etc. (Deadline: 01.01.2024).

- "6B11202 Innovative emergency management natural and man-made nature":

1. When making decisions, the management of the EP must be guided not only by the directive decisions of the LEA and the management of the PA, but also proceed from the available resources for providing the EP and the requests of employers. In this regard, by 2024 it is necessary to revise the content of the EP and expand the subject of man-made emergencies, bringing its share in the content to 50%, based on the specifics of the industry of the city of Ust-Kamenogorsk and East Kazakhstan region.

Standard "Development and approval of the educational program"

Recommendations for the EPs:

- "6B04109 State financial management":

1. For the 2023-2024 academic year, consider the possibility of preparing students for professional certification .

- "6B11202 Innovative emergency management natural and man-made nature":

1. For the 2023-2024 academic year, consider the possibility of preparing students for professional certification following the example of TVE educational organizations in the field of

prevention and elimination of emergencies (for example, the Karaganda Higher Polytechnic College).

2. By 2024-2025, consider the issue of obtaining an educational license by the university for the groups of specialties 6B12302-04 and 6B12101 and transfer the regulatory framework of the accredited EP to the platform of one of them.

3. By the beginning of the 203-2024 academic year, in the curriculum of the EP, increase the number of credits in special disciplines by at least 70% of the total number of credits.

4. To accept the updated qualification requirements for employees of the subdivisions of the Ministry of Emergency Situations of the Republic of Kazakhstan as basic to the output competencies of EP graduates. For this, including:

- Separate the course of emergency medical care into a separate discipline with mandatory final control;
- Strengthen the block of knowledge related to the legislation on civil service and service in specialized state bodies;
- Increase the number of hours for general physical training and bring the standards for general physical training closer to those adopted in the operational units of the Ministry of Emergency Situations.

Standard "Continuous monitoring and periodic evaluation of educational programs" Strengths of the EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature":

1. Develop regulations for expansion opportunities and ways to inform stakeholders about any planned or undertaken actions in relation to the EP (Deadline: 01/01/2024);

Standard "Student-centered learning, teaching, and learning assessment" Recommendations for the EPs:

- ***"6B04109 State financial management":***

1. In the 2023-2024 academic year, provide for own research in the development plan of the EP in the context of the methodology for teaching profile disciplines, taking into account the specifics of the EP;

- ***« 6B11202 Innovative emergency management natural and man-made nature » :***

1. By January 2024, analyze the compliance of core competencies with the requirements of the labor market and adjust them in order to prepare students for the recruitment of operational rescue services, and not for control and inspection activities.

Standard "Learners"

Recommendations for the EPs:

- ***"6B11202 Innovative emergency management natural and man-made nature " :***

From the next academic year, if there is a desire of students to graduate from the military department, ensure their mandatory enrollment in the Higher Educational Institution "Planning and Organization of Territorial Defense" in their own or another university.

- ***"6B04109 State financial management"***

- There are no recommendations for this standard.

Standard "Faculty"

Recommendations for the EPs:

- ***"6B04109 State financial management ":***

1. Develop a long-term plan for mastering and improving teaching methods in connection with the constant and systematic development of innovative learning technologies (Deadline: 09/01/2023).

- ***"6B11202 Innovative emergency management natural and man-made nature":***

1. Starting from September 2024, include in the structure of the annual individual load of

the teaching staff the passage of advanced training in the leading organizations of the region in the direction of the EP, or their training in the full cycle of readable disciplines at the Academy of Civil Protection of the Ministry of Emergency Situations of the Republic of Kazakhstan for a period of at least 2 months to obtain practice-oriented learning experience with maintaining wages and positions in the university.

Standard "Educational resources and student support systems"

Recommendations for the EPs:

- ***"6B04109 State financial management"***:

- There are no recommendations for this standard.

- ***"6B11202 Innovative emergency management natural and man-made nature "*** :

1. Until 2025, to provide an innovative direction for the EP with a set of laboratory simulators, tablet stands, demonstration models and equipment, including those indicated in the analytical part or their analogues.

Standard "Public Information"

Recommendations for the EPs:

- ***"6 B 04109 State financial management "***:

1. Develop regulations for updating objective information about the teaching staff, their professional qualifications, scientific and educational achievements (Deadline 09/01/2023).

2. Select a section on the NGO website within the framework of information about the EP with information about partners. (Deadline: 01.01.2024)

- ***"6B11202 Innovative emergency management natural and man-made nature "*** :

1. Draw up a plan for digitization and translation into the state language of special technical literature on the EP, including from the old unique UKSDI fund (Deadline: 09/01/2023);

2. To plan the annual participation of teaching staff and other employees of the university in various exhibitions (including international ones) of achievements in the prevention and elimination of emergencies.

IX. REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE EDUCATIONAL ORGANIZATION

Ensure 100% command of the Kazakh language of the university management and teaching staff in order to ensure accessibility of the management for students and other stakeholders.

Introduce clearly trackable numerical indicators for reinvestment of net profit in the development of the university's research activities into the university's strategy and development plans.

To ensure the protection of copyright of the Kazakhstani party on international projects. Introduce this criterion (process) in the QMS of the university.



X. RECOMMENDATIONS TO THE ACCREDITATION COUNCIL

EEC members came to the unanimous opinion that EP "6B04109 State financial management", "6B11202 Innovative emergency management natural and man-made nature" are recommended for accreditation for 5 years.



Annex 1. EVALUTATION TABLE « Conclusion by the external expert commission

»

6B04109 State financial management

No.	No.	Criteria for evaluation	Position of the educational organization			
			strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard «Educational program management»						
1	1.	The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between research, teaching and learning.		+		
2	2.	The organization of higher and (or) postgraduate education must demonstrate the development of a culture of quality assurance, including in the context of EP.		+		
3	3.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.		+		
4	4.	The management of the EP demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the EP and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders. The plan should contain the dates for the start of the implementation of the educational program.		+		
5	5.	The EP management demonstrates the existence of mechanisms for the formation and regular review 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.		+		
6	6.	The management of the EP should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of a development plan for the EP .		+		
7	7.	The management of the EP must demonstrate the individuality and uniqueness of the EP development plan , its consistency with national priorities and the		+		

		development strategy of the organization of higher and (or) postgraduate education.				
8	8.	Organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.	+			
9	9.	The management of the EP must provide evidence of the transparency of the educational program management system.		+		
10	10.	The management of the EP must demonstrate the existence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, decision-making based on facts.		+		
11	11.	The management of the EP must carry out risk management, including within the framework of the EP undergoing primary accreditation, and also demonstrate a system of measures aimed at reducing the degree of risk.			+	
12	12.	The management of the EP should ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.		+		
13	13.	The OO must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.			+	
14	14.	The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.		+		
15	15.	The management of the EP should be trained in education management programs.	+			
Total by standard			2	11	2	
Standard «Information management and reporting»						
16	1.	The OO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods to collect and analyze information in the context of the EP.		+		
17	2.	The management of the EP must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	The management of the EP must demonstrate fact-based decision making.		+		

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 PA must establish the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management, and the implementation of scientific projects.		+		
21	6.	The TOE must demonstrate the determination of the procedure for and ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.		+		
22	7.	An important factor is the availability of mechanisms for involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
23	8.	The management of the EP must demonstrate the existence of a mechanism for communication with students, employees and other interested parties, as well as mechanisms for resolving conflicts.		+		
24	9.	The PA must demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP.		+		
25	10.	The PA should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.		+		
<i>The information expected to be collected and analyzed within the framework of the EP should take into account:</i>						
26	eleven.	key performance indicators;		+		
27	12.	the dynamics of the contingent of students in the context of forms and types;		+		
28	13.	academic performance, student achievement and dropouts;		+		
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 PA must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent		+		
Total by standard				16		
Standard «Development and approval of the educational program»						
32	1.	The OO must define and document the procedures for developing the EP and their approval at the institutional level.		+		

33	2.	The management of the EP should ensure that the developed EP complies with the established goals, including the intended learning outcomes		+		
34	3.	The management of the EP must demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society		+		
35	4.	The management of the EP should ensure the availability of developed models of the EP graduate that describe the learning outcomes and personal qualities		+		
36	5.	The management of the EP must demonstrate the conduct of external reviews 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.	The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
39	8.	An important factor is the possibility of preparing students for professional certification			+	
40	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality		+		
41	10.	The management of the EP should ensure that the content of the academic disciplines and the planned results correspond to the level of education (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 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		+		
Total by standard				11	1	
Standard «Continuous monitoring and periodic evaluation of educational programs»						
44	1.	The PA must determine the mechanisms for monitoring and periodically evaluating the EP to ensure the achievement of the goal and meeting the needs of students, society, and show the focus of the mechanisms on the continuous improvement of the EP		+		
<i>Monitoring and periodic evaluation of the EP should include:</i>						
45	2.	the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;		+		
46	3.	changes in the needs of society and the professional environment;		+		

47	4.	workload and student achievement;		+		
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 the EP		+		
51	8.	The management of the EP must demonstrate a systematic approach in monitoring and periodically assessing the quality of the EP		+		
52	9.	The OO, the management of the EP should determine a mechanism for informing all interested parties about any planned or taken actions in relation to the EP		+		
53	10.	All changes made to the EP must be published		+		
Total by standard				10		
Standard «Student-centered learning, teaching, and learning assessment»						
54	1.	The management of the EP should ensure respect and attention to different groups of students and their needs, provide them with flexibility in learning paths.		+		
55	2.	The management of the EP should provide for the use of various forms and methods of teaching and learning.		+		
56	3.	An important factor is the presence of own research in the field of teaching methods of academic disciplines of the EP.		+		
57	4.	The management of the EP should demonstrate the existence of feedback mechanisms on the use of various teaching methods and the assessment of learning outcomes.		+		
58	5.	The management of the EP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
59	6.	The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.		+		
60	7.	The PA must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP, including the appeal		+		
61	8.	The PA must ensure that the procedures for assessing the learning outcomes of students of the EP correspond to the planned results and goals of the program, the publication of criteria and assessment methods in advance		+		
62	9.	The PA should define the mechanisms to ensure the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation.		+		
63	10.	Assessors must be familiar with modern methods for assessing learning outcomes and regularly improve their skills in this area.		+		

Total by standard				10		
Standard «Learners»						
64	1.	The PA must demonstrate the existence of a policy for the formation of a contingent of students in the context of the EP, ensure transparency and publicity of its procedures governing the life cycle of students (from admission to completion)		+		
<i>The management of the EP should determine the procedure for the formation of a contingent of students based on:</i>						
65	2.	minimum requirements for applicants;		+		
66	3.	the maximum size of the group when conducting seminars, practical, laboratory and studio classes;		+		
67	4.	predicting the number of government grants;		+		
68	5.	analysis of available material, technical, information resources, human resources;		+		
69	6.	analysis of potential social conditions for students, incl. provision of places in the hostel		+		
70	7.	The management of the EP must demonstrate readiness to conduct special adaptation and support programs for newly enrolled and foreign students		+		
71	8.	The PA must demonstrate the compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	9.	The PA should cooperate with other educational organizations and national centers of the “ European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers” ENIC / NARIC in order to ensure comparable recognition of qualifications		+		
73	10.	The PA should provide an opportunity for external and internal mobility of students of the EP, as well as readiness to assist them in obtaining external grants for training		+		
74	11.	The management of the EP must demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain contact with them.		+		
75	12.	The PA should provide for the possibility of providing graduates of the EP with documents confirming the qualifications received, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		
Total by standard				12		
Standard «Faculty»						
76	1.	The PA must have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional		+		

		competence of the entire staff				
77	2.	The PA must demonstrate the compliance of the staff potential of the teaching staff with the specifics of the EP		+		
78	3.	The management of the EP must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions	+			
79	4.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		
80	5.	The PA must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the PA, and other strategic documents		+		
81	6.	The PA should provide opportunities for career growth and professional development of the teaching staff of the EP		+		
82	7.	The management of the EP must demonstrate readiness to involve practitioners in the relevant sectors of the economy in teaching		+		
83	8.	OO must demonstrate the motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activities and education, the use of innovative teaching methods		+		
84	9.	An important factor is the readiness to develop academic mobility within the EP, to attract the best foreign and domestic teachers		+		
Total by standard				9		
Standard «Educational resources and student support systems»						
85	1.	The OO must guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the EP		+		
86	2.	The OO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities)		+		
87	3.	The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling		+		
<i>The EP management must demonstrate the compliance of information resources with the specifics of the EP, including:</i>						
88	4.	technological support for students and teaching staff (for example, online learning, modeling, databases, data analysis programs);		+		
89	5.	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;				
90	6 .	examination of the results of research, graduation works, dissertations for plagiarism;		+		
91	7 .	access to educational Internet resources;		+		
92	8 .	functioning of WI-FI on the territory of the educational organization.		+		
93	9 .	The OO demonstrates the planning of providing the EP with educational equipment and software similar to those used in the relevant sectors of the economy		+		
Total by standard				9		
Standard «Public information»						
<i>The PA must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:</i>						
94	1.	expected learning outcomes of the educational program being implemented;		+		
95	2.	qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96	3.	approaches to teaching, learning, as well as a system (procedures, methods and forms) of assessment;		+		
97	4.	information about passing scores and learning opportunities provided to students;		+		
98	5.	information about 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 parties.		+		
100	7.	Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.		+		
101	8.	The OO must demonstrate the reflection on the web resource of information that characterizes it as a whole and in the context of educational programs.		+		
102	9.	An important factor is the availability of adequate and objective information about the teaching staff of the EP.		+		
103	10.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP.		+		
Total by standard				10		
TOTAL			2	98	3	0

6B11202 Innovative emergency management natural and man-made nature

No.	No.		Criteria for evaluation	Position of the educational organization
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				strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard «Educational program management»							
1	16.		The organization of higher and (or) postgraduate education must have a published quality assurance policy. The quality assurance policy should reflect the relationship between research, teaching and learning.		+		
2	17.		The organization of higher and (or) postgraduate education must demonstrate the development of a culture of quality assurance, including in the context of EP.		+		
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.		The management of the EP demonstrates its readiness to ensure transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the EP and the focus of its activities on meeting the needs of the state, employers, students and other stakeholders. The plan should contain the dates for the start of the implementation of the educational program.		+		
5	20.		The EP management demonstrates the existence of mechanisms for the formation and regular review 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.			+	
6	21.		The management of the EP should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of a development plan for the EP.		+		
7	22.		The management of the EP must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.		+		

8	23.		Organization of higher and (or) postgraduate education must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.	+			
9	24.		The management of the EP must provide evidence of the transparency of the educational program management system.	+			
10	25.		The management of the EP must demonstrate the existence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, decision-making based on facts.		+		
11	26.		The management of the EP must carry out risk management, including within the framework of the EP undergoing primary accreditation, and also demonstrate a system of measures aimed at reducing the degree of risk.			+	
12	27.		The management of the EP should ensure the participation of representatives of employers, teaching staff, students and other interested parties in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.		+		
13	28.		The OO must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.			+	
14	29.		The management of the EP must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.		+		
15	30.		The management of the EP should be trained in education management programs.	+			
Total by standard				4	8	3	
Standard «Information management and reporting»							
16	10.		The OO must demonstrate the existence of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software tools and that it uses a variety of methods to collect and analyze information in the context of the EP.		+		
17	11.		The management of the EP must demonstrate the existence of a mechanism for the systematic use of processed, adequate information to improve the internal quality assurance system.	+			

18	12.		The management of the EP must demonstrate fact-based decision making.			+	
19	13.		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	14.		The PA must establish the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management, and the implementation of scientific projects.			+	
21	15.		The TOE must demonstrate the determination of the procedure for and ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.			+	
22	16.		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	17.		The management of the EP must demonstrate the existence of a mechanism for communication with students, employees and other interested parties, as well as mechanisms for resolving conflicts.			+	
24	18.		The PA must demonstrate the existence of mechanisms for measuring the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP.			+	
25	10.		The PA should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.			+	
<i>The information expected to be collected and analyzed within the framework of the EP should take into account:</i>							
26	11.		key performance indicators;			+	
27	12.		the dynamics of the contingent of students in the context of forms and types;			+	
28	13.		academic performance, student achievement and dropouts;			+	
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 PA must confirm the implementation of the procedures for processing personal data of students, employees and teaching staff on the basis of their documented consent		+		
Total by standard				1	14	1	
Standard «Development and approval of the educational program»							
32	13.		The OO must define and document the procedures for developing the EP and their approval at the institutional level.		+		
33	14.		The management of the EP should ensure that the developed EP complies with the established goals, including the intended learning outcomes			+	
34	15.		The management of the EP must demonstrate the existence of mechanisms for reviewing the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society			+	
35	16.		The management of the EP should ensure the availability of developed models of the EP graduate that describe the learning outcomes and personal qualities		+		
36	17.		The management of the EP must demonstrate the conduct of external reviews of the content of the EP and the planned results of its implementation			+	
37	18.		The qualification awarded at the end of the EP must be clearly defined and correspond to a certain level of NSC and QF - EHEA		+		
38	19.		The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
39	20.		An important factor is the possibility of preparing students for professional certification			+	
40	21.		The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality		+		
41	22.		The management of the EP should ensure that the content of the academic disciplines and the planned results correspond to the level of education (bachelor's, master's, doctoral studies)		+		
42	23.		The structure of the EP should provide for various types of activities that ensure that students achieve the planned learning outcomes		+		

43	24.		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			+	
Total by standard					7	5	
Standard «Continuous monitoring and periodic evaluation of educational programs»							
44	11.		The PA must determine the mechanisms for monitoring and periodically evaluating the EP to ensure the achievement of the goal and meeting the needs of students, society, and show the focus of the mechanisms on the continuous improvement of the EP			+	
<i>Monitoring and periodic evaluation of the EP should include:</i>							
45	12.		the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;			+	
46	13.		changes in the needs of society and the professional environment;			+	
47	14.		workload and student achievement;			+	
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 the EP			+	
51	18.		The management of the EP must demonstrate a systematic approach in monitoring and periodically assessing the quality of the EP			+	
52	19.		The OO, the management of the EP should determine a mechanism for informing all interested parties about any planned or taken actions in relation to the EP			+	
53	20.		All changes made to the EP must be published			+	
Total by standard					10		
Standard «Student-centered learning, teaching, and learning assessment»							
54	11.		The management of the EP should ensure respect and attention to different groups of students and their needs, provide them with flexibility in learning paths.			+	
55	12.		The management of the EP should provide for the use of various forms and methods of teaching and learning.			+	
56	13.		An important factor is the presence of own research in the field of teaching methods of academic disciplines of the EP.			+	

57	14.		The management of the EP should demonstrate the existence of feedback mechanisms on the use of various teaching methods and the assessment of learning outcomes.		+		
58	15.		The management of the EP should demonstrate the existence of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher.		+		
59	16.		The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.		+		
60	17.		The PA must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP, including the appeal		+		
61	18.		The PA must ensure that the procedures for assessing the learning outcomes of students of the EP correspond to the planned results and goals of the program, the publication of criteria and assessment methods in advance		+		
62	19.		The PA should define the mechanisms to ensure the achievement of learning outcomes by each EP graduate and ensure the completeness of their formation.		+		
63	20.		Assessors must be familiar with modern methods for assessing learning outcomes and regularly improve their skills in this area.		+		
Total by standard					10		
Standard «Learners»							
64	13.		The PA must demonstrate the existence of a policy for the formation of a contingent of students in the context of the EP, ensure transparency and publicity of its procedures governing the life cycle of students (from admission to completion)		+		
<i>The management of the EP should determine the procedure for the formation of a contingent of students based on:</i>							
65	14.		minimum requirements for applicants;		+		
66	15.		the maximum size of the group when conducting seminars, practical, laboratory and studio classes;		+		
67	16.		predicting the number of government grants;		+		
68	17.		analysis of available material, technical, information resources, human resources;		+		
69	18.		analysis of potential social conditions for students, incl. provision of places in the hostel		+		
70	19.		The management of the EP must demonstrate readiness to conduct special adaptation and support programs for newly enrolled and		+		

			foreign students				
71	20.		The PA must demonstrate the compliance of its actions with the Lisbon Recognition Convention, the existence of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
72	21.		The PA should cooperate with other educational organizations and national centers of the “ European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers” ENIC / NARIC in order to ensure comparable recognition of qualifications		+		
73	22.		The PA should provide an opportunity for external and internal mobility of students of the EP, as well as readiness to assist them in obtaining external grants for training		+		
74	23.		The management of the EP must demonstrate readiness to provide students with internship places, promote the employment of graduates, and maintain contact with them.		+		
75	24.		The PA should provide for the possibility of providing graduates of the EP with documents confirming the qualifications received, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		
Total by standard					12		
Standard «Faculty»							
76	10.		The PA must have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
77	11.		The PA must demonstrate the compliance of the staff potential of the teaching staff with the specifics of the EP			+	
78	12.		The management of the EP must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions		+		
79	13.		The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning		+		

80	14.		The PA must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the PA, and other strategic documents		+		
81	15.		The PA should provide opportunities for career growth and professional development of the teaching staff of the EP		+		
82	16.		The management of the EP must demonstrate readiness to involve practitioners in the relevant sectors of the economy in teaching		+		
83	17.		OO must demonstrate the motivation for the professional and personal development of EP teachers, including encouragement for the integration of scientific activities and education, the use of innovative teaching methods		+		
84	18.		An important factor is the readiness to develop academic mobility within the EP, to attract the best foreign and domestic teachers		+		
Total by standard				1	7	1	
Standard «Educational resources and student support systems»							
85	1.		The OO must guarantee a sufficient number of educational resources and student support services to ensure the achievement of the goal of the EP		+		
86	2.		The OO must demonstrate the sufficiency of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities)		+		
87	3.		The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling		+		
<i>The EP management must demonstrate the compliance of information resources with the specifics of the EP, including:</i>							
88	4.		technological support for students and teaching staff (for example, online learning, modeling, databases, data analysis programs);		+		
89	5.		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;		+		
90	6.		examination of the results of research, graduation works, dissertations for plagiarism;		+		
91	7.		access to educational Internet resources;		+		
92	8.		functioning of WI-FI on the territory of the educational organization.		+		

93	9.		The OO demonstrates the planning of providing the EP with educational equipment and software similar to those used in the relevant sectors of the economy		+		
Total by standard					9		
Standard «Public information»							
<i>The PA must publish reliable, objective, up-to-date information about the educational program and its specifics, which should include:</i>							
94	1.		expected learning outcomes of the educational program being implemented;		+		
95	2.		qualification and (or) qualifications that will be awarded upon completion of the educational program;		+		
96	3.		approaches to teaching, learning, as well as a system (procedures, methods and forms) of assessment;		+		
97	4.		information about passing scores and learning opportunities provided to students;		+		
98	5.		information about 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 parties.		+		
100	7.		Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.		+		
101	8.		The OO must demonstrate the reflection on the web resource of information that characterizes it as a whole and in the context of educational programs.		+		
102	9.		An important factor is the availability of adequate and objective information about the teaching staff of the EP.		+		
103	10.		An important factor is informing the public about cooperation and interaction with partners within the framework of the EP.		+		
Total by standard					10		
TOTAL				6	87	10	

Annex 2. PROGRAM FOR A VISIT TO AN EDUCATIONAL ORGANIZATION

AGREED

Chairman of the Board-Rector

S.Zh. Rakhmetullina

"11 April 2023 of the year

APPROVED

CEO NU "Independent Agency accreditation and rating"

A.B. Zhumagulova

"11 April 2023 of the year

PROGRAM OF THE VISIT OF THE EXTERNAL EXPERT COMMISSION OF THE INDEPENDENT AGENCY OF ACCREDITATION AND RATING (IAAR) NJSC "EAST KAZAKHSTAN TECHNICAL UNIVERSITY NAMED AFTER D. SERIKBAYEV" (SPECIALIZED AND PRIMARY SPECIALIZED ACCREDITATION)

Date hybrid visit: 25 – 27 April 2023 of the year

Program developed With taking into account time Ust-Kamenogorsk

Cluster	Educational program
Cluster 1. Specialized accreditation	1) 6B04107 Social media marketing (joint educational program With International university information technologies) 2) 7M04107 Social media marketing (joint educational program With International university information technologies)
Cluster 2. Primary specialized accreditation	3) 6B07109 Medical engineering (Medical equipment) (joint educational program With Medical university Families) 4) 7 M 04102 Technological Entrepreneurship (joint educational program with Karaganda University Kazpotrebsoyuz)
Cluster 3. Primary specialized accreditation	5) 6B04109 State financial management 6) 6B11202 innovative control security emergency natural And technogenic character
Cluster 4. Primary specialized accreditation	7) 6B07312 Land inventory And land management 8) 7M11301 Organization transportation, movements And exploitation transport
Cluster 5. Specialized accreditation	9) 6B07309 BIM - technologies in designing 10) 7M07312 Land inventory And land management
Cluster 6. Specialized accreditation	11) 8D05401 Mathematics 12) 8D07103 Thermal power engineering

Date and time <i>(time Ust-Kamenogorsk, GMT +6)</i>	Job WEC With targeted groups	Position and surname, name, patronymic participants targeted groups	Place of the procedure /Form connections
21 April 2023			
15.00-16.00	preliminary meeting WEC <i>(discussion of key questions And programs visit)</i>	<i>External experts IAAR</i>	Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only For VEC)
Day 1: 25 April 2023			
10.00-10.30	Distribution responsibility of experts organizational questions	<i>External experts IAAR</i>	Audience G-1-139 (st. Serikbaev, 19) Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only For VEK)
10.30-11.00	Interview with the Chairmanboards - Rector <i>(Interview will be arranged V hybrid format: on- / off - line)</i>	<i>Chairman of the Board - Rector NJSC D. Serikbayev EKTU - Rakhmetullina Saule Zhadygerovna, Ph.D., associated Professor</i>	Audience G-1-101 (st. Serikbaev, 19) Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662
11.00-11.15	Technical break	<i>External experts IAAR</i>	Audience G-1-101
11.15-11.45	Interview With Members Board-vice-rectors <i>(Interview will be arranged V hybrid format: on- / off - line)</i>	1. <i>Member of the Board - Vice-Rector for Academic issues of NJSC D. Serikbayev EKTU – Konurbaeva Zhadyra Tusupkanovna, Ph.D., associated Professor</i> 2. <i>Member boards - vice-rector By scientific research activities and digitalization NJSC D. Serikbayev EKTU – Denissova Natalya Fedorovna, Associate Professor</i>	Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662

		3. <i>Member boards - vice-rector planned-economic activities NJSC D. Serikbayev EKTU - Beisembaeva Galia Mustapaevna, Ph.D.</i>	
11.45-12.00	Interviews with vice-rectorspartner universities (Interview will be arranged Vhybrid format: on- / off - line)	<p>1. <i>Vice-Rector By academic And educational activities of the International university information technologies - Mustafina Akkyz Kurakovna, Ph.D., assistant professor</i></p> <p>2. <i>Vice-Rector By academic issues And strategic development Karaganda university Kazpotrebsoyuz - Nakipova Gulmira Ermekovna, Doctor of Economics, Professor</i></p> <p>3. <i>Vice-Rector By academic And educational work NJSC "Medical university Families" - Smailova Zhanargul Kaiyrgaliyevna, Ph.D.</i></p>	<p>Audience G-1-101</p> <p>Join a Zoom meeting https:// us 02 web . zoom . us / j /4941240662 Identifier conferences: 494 124 0662</p>
12.00-12.15	Technical break	<i>External experts IAAR</i>	Audience G-1-101

<p>12.15-13.00</p>	<p>Interviews with executives structural divisions (Interview will be arranged on hybrid format: on- / off - line)</p>	<ol style="list-style-type: none"> 1. <i>Boss management By academic activities</i> - Mashekenova Asiyal Khasenovna, Ph.D. 2. <i>Boss Division organizations And monitoring educational process</i> - Denisova Oksana Kasymovna, Ph.D., associated Professor 3. <i>And about. chief Registrar's Office</i> - Zhaizhatyrova Meruert Sabyrovna 4. <i>Director center career</i> - Trofimenko Svetlana Alexandrovna 5. <i>Supervisor Reception commissions</i> - Muslimova Gulnar Ersainovna, Ph.D. 6. <i>Director Department scientificresearch activities</i> - Uazirkhanova Gulzhaz Keneshankyzy, doctor Ph.D. , associated Professor 7. <i>Boss Center " POSTGRADUATE "</i> - Ivashchenko Elena Nikolaevna, Ph.D. 8. <i>Boss management By international cooperation</i> - Mukhamadiev Tahir Anuarbekuly 	<p>Audience G-1-101</p> <p>Zoom meeting https://us02web.zoom.us/j/4941240662</p> <p>Identifier conferences: 494 124 0662</p>
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		<p>9. <i>Boss management By international cooperation</i> - Mukhamadiev Tahir Anuarbekuly</p> <p>10. <i>Boss department By selection And development personnel</i> - Daniyarova Karlygash Manashevna</p> <p>11. <i>Boss management By social cultural activities And youth politics</i> - Zhanabaeva Gulnara Nurtasovna</p> <p>12. <i>Main accountant</i> - Any Natalia Victorovna</p> <p>13. <i>Boss management strategies development And ensure quality</i> - Anop Daria Kamilievna, Ph.D., associated Professor</p> <p>14. <i>Supervisor center informational politicians And media communications (Media center)</i> - Kasymova Karlygash Kanatovna</p> <p>14. <i>Boss management By development infrastructure</i> - Edigenov Lancer Bulatovich</p> <p>15. <i>Supervisor libraries</i> - Tleubekova Nazimgul Ernazarovna</p> <p>16. <i>Boss management escorts And information technologies</i> - Zuev Vitaly Nikolaevich</p>	
13.00-13.15	Job WEC	<i>External Experts IAAR</i>	<p>Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only For VEK)</p>
13.15-14.15	Dinner	<i>External experts IAAR</i>	cafe "Pomegranate"
14.15-14.30	Technical break	<i>External experts IAAR</i>	<p>Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only For VEC)</p>

<p>14.30-15.00</p>	<p>Interviews with deans / institute directors (schools) (Interview will be arranged Vhybrid format: on- / off - line)</p>	<p>1. <i>Deputy dean faculty basic engineering training - Aringozhina Zarina Yerzhanovna</i> 2. <i>Dean of the School of Information Technology and intellectual systems - Kumargazhanova Saule Kumargazhanovna, Ph.D., Associate Professor</i> 3. <i>Dean of the School of Business and entrepreneurship - Zakimova Alfiya Manarbekovna, Ph.D.</i> 4. <i>Dean Schools technologies atomic And traditional energy - Akaev AibekMuratbekovich, PhD _</i> 5. <i>Dean Schools metallurgy And enrichment useful fossil - Onalbaeva ZhanarSagidoldinovna, PhD _</i> 6. <i>And about. dean Schools architecture And construction - Aitkazina Ayazhan Kalelkhanovna</i> 7. <i>Deputy dean Schools Sciences O Earth - Asylkhanova Jeanne Alexandrovna</i> 8. <i>Deputy Dean of the School mechanical engineering - Baygereev Samat Rakimgalievich, doctor PhD</i></p>	<p>Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662</p>
<p>15.00-15.10</p>	<p>Interviews with deans / institute directors (schools) partner university (Interview will be arranged Vhybrid format: on- / off - line)</p>	<p>1. <i>Dean of the Faculty of Digital transformations of the International university information technologies - Mukhamadiev Ardak Gabitovna</i> 2. <i>Dean of the Faculty of Economics, Management and entrepreneurship of Karaganda university Kazpotrebsoyuz - GimranovGalia Ilyasovna, Ph.D., Professor</i> 3. <i>Dean of the School of Public healthcare, dentistry, pharmacy And nursing affairs NJSC "Medical university Families" - Kairkhanova Ynkar Akimzhanovna, PhD</i></p>	<p>Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662</p>
<p>15.10-15.25</p>	<p>Technical break</p>	<p><i>External experts IAAR</i></p>	<p>Audience G-1-101</p>

<p>15.25-16.05</p>	<p>Interviews with managers departments, heads EP (Parallel) (Interview will be arranged Vhybrid format: on- / off - line)</p>	<p>Leaders EP clusters 12, 3, 6: <i>Supervisor EP 6B04107 Social media marketing, EP 6B04109 State financial management - Baitikenov Gulzhan Alpekovna</i> <i>Supervisor EP 7M04107 Social media marketing, EP 7M04102 Technological entrepreneurship - Rakhimberdinova Madina Umargalieвна, doctor Ph.D. , associated Professor</i> <i>Supervisor EP 6B07109 Medical engineering (Medical equipment) – Orazova Araylym Zhanbolatkyzy</i> <i>Supervisor EP 6B11202 innovative control security emergency natural And technogenic character - Idrisheva Janat Kabylbekovna, Ph.D., assoc. Professor</i> <i>Supervisor EP 8D05401 Mathematics - Rakhmetullina Zhenisgul Toleukhanovna, Ph.D.- mat.s.</i> 6. Head of EP 8D07103 Thermal power engineering – Segeda Tamara Alexandrovna, Ph.D., Associate Professor 7. Head. Department of "Foreign Languages" - Khasenova Lira Nurlanovna Head department partner universities: <i>Head department «Media communications And story Kazakhstan" IITU - Niyazgulov Aigul Askarbekovna,</i> <i>Head department economy And Entrepreneurship KarU Kazpotrebooyuz - Nevmatulina Karina Anvarovna, doctor PhD</i> <i>Head department physiological disciplines name well-deserved figure Sciences RK T.A. Nazarova NJSC "SMU" - Rakhyzhanova Saule Oryngazievna, PhD</i> <i>Head department biochemistry And chemical disciplines NJSC "SMU" - Olzhaev Rauza Romanovna, Ph.D.</i></p>	<p>Audience G-1-101 Join a Zoom meeting https:// us 02 web . zoom . us / j /4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 1)</p>
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		<p>Leaders EP clusters 4, 5</p> <p>1. <i>Supervisor EP 6B07312 _ _ Land cadastre and land management - Yuliya Gusarenko Dmitrievna</i></p> <p>2. <i>Supervisor EP 7 M 11301 Organization transportation, movements And exploitation transport - Konarbaeva Gulnur Nurlybekovna</i></p> <p>3. <i>Head of EP 6 B 07309 BIM - technologies V designing - Makhiev Bekbolat Espulovic, Ph.D., associated Professor</i></p> <p>4. <i>Supervisor EP 7M07312 _ _ Land inventory And land management - Rakhymberdina margin Yesenbekovna, doctor Ph.D., associated Professor</i></p>	<p>Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 2)</p>
16.05-16.20	Technical break	<i>External experts IAAR</i>	Audience G-1-101
16.20-17.00	<p>Interviews with teachersEP (Interview will be arranged Vhybrid format: on- / off - line)</p>	<p>Clusters 12, 3, 6 (Application #1 List teaching staff For interview)</p>	<p>Audience G-1-101</p> <p>Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 1)</p>
		<p>Clusters 4, 5 (Application #1 List teaching staff For interview)</p>	<p>Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 2)</p>
17.00-17.15	Technical break	<i>External experts IAAR</i>	Audience G-1-139

17.15-18.30	Questioning of teaching staff (parallel)	All teachers of assessed EPs (<i>Appendix No. 1.1 List of teaching staff for survey</i>)	Link to participate in the survey will be sent to email teacher personally
17.15-18.00	Visual inspection of the TOE (<i>Inspection of objects off-line participating experts</i>)	cluster 2, 6 Cluster 3 6 B 11202 Innovative Management safety of emergencies of natural and man-caused character	Route attached
		cluster 3 <i>Video (10-15 minute video clip about infrastructure EP 6 B 04109 State financial management: audience, halls, laboratories, sports and other halls)</i> cluster 14, 5 <i>Videos (10-15 minute video clip about infrastructure EP: audience, halls, laboratories, sports and other halls)</i>	View videos Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662
18.00-18.30	Results of the first day of work WEC	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (Only For VEC)
18.30-19.30	Dinner	<i>External experts IAAR</i>	cafe "Brig"
Day 2: 26 April 2023 of the year			
10.00-10.20	Job WEC	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (Only For VEK)

<p>10.20-11.00</p>	<p>Interviews with students (<i>Interview will be arranged Vhybrid format: on- / off - line</i>)</p>	<p>Clusters 12, 3, 6 (<i>Application #2 List students</i>)</p> <p>Clusters 4, 5 (<i>Application #2 List students</i>)</p>	<p>Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (<i>session hall Zoom 1</i>)</p> <p>Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (<i>session hall Zoom 2</i>)</p>
<p>11.00-11.15</p>	<p>Technical break</p>	<p><i>External experts IAAR</i></p>	<p>Audience G-1-139</p>
<p>11.15-12.00</p>	<p>Questionnaire studentsEP (parallel)</p>	<p>All students of the assessed EP (<i>Appendix No. 2.1 List of EP students for survey</i>) (<i>Provide participation Not less 40% contingent students EP</i>)</p>	<p><i>Link to participate in the survey will be sent to email student personally</i></p>
<p>11.15-13.00</p>	<p>Work with documents (<i>documents uploaded to folders clouds</i>) and attending classes PPP on schedule Appendix 1.A "Extract from EP class schedules clusters" with links to ZOOM (<i>attending classes off-line participating experts V traditional format</i>)</p>	<p>Cluster 1 Cloud link: https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link</p> <p>Cluster 2 Cloud link: https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqHSKR5JvPFL3zwQ?usp=share_link</p> <p>Cluster 3 Cloud link: https://drive.google.com/drive/folders/1ASMxu_n3_L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link</p> <p>Cluster 4 Cloud link: https://drive.google.com/drive/folders/17HLpZpMAvS23OAGAG-QNsivWppmECKkE?usp=share_link</p> <p>Cluster 5 Cloud link: https://drive.google.com/drive/folders/1H21ZWihAGK1NVBp_Oh9r0QdqZYZW43r?usp=share_link</p>	<p>visit classes according to graphic arts</p> <p>Audience G-1-139</p> <p>Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662</p>

		Cluster 6 Cloud link: https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link	
13.00-14.00	Dinner	<i>External experts IAAR</i>	cafe "Pomegranate"
14.00-16.00	Visiting the practice bases of the EP (parallel)	<p>cluster 2, 6 Cluster 3 (6 B 11202 Innovative Management safety of emergencies of natural and man-caused character) (Application 4.1 List practice base)</p> <p>cluster 3 Link to video (10-15 minute video about bases practitioner EP 6 B 04109 State financial management) Clusters 14, 5 Link to video (10-15 minute video about bases EP practitioner)</p>	<p>Route By bases practitioner</p> <p>Watch videos by bases practitioner Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662</p>
14.00-16.00	Work with documents (documentation loaded V folders clouds) and attending classes teaching staff By schedule	<p>Cluster 1 Cloud link: https://drive.google.com/drive/folders/1utfAq-IMTP1jwQdzDCiSNT-rRPhC2k?usp=share_link</p> <p>Cluster 2 Cloud link: https://drive.google.com/drive/folders/1HxHWwE-anIoIoRdazqH5KR5JvPfl3zwQ?usp=share_link</p> <p>Cluster 3 Cloud link: https://drive.google.com/drive/folders/1ASMxu_n3_L3FOC0ViKCq4FnMOZmmEb7AA?usp=share_link</p> <p>Cluster 4 Cloud link: https://drive.google.com/drive/folders/17HLpZpMAvS23OAGAG-QNsivWppmEckkE?usp=share_link</p> <p>Cluster 5 Cloud link: https://drive.google.com/drive/folders/1H21ZWihAGK1NVBp_Oh9r0QdqZYZW43r?usp=share_link</p>	<p>Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662</p>

		share link Cluster 6 Cloud link: https://drive.google.com/drive/folders/1Cde4NtJvSKbnbZvN9uK2B6bI0x4XQuTe?usp=share_link share link	
16.00-16.15	Technical break	<i>External experts IAAR</i>	Audience G-1-139
16.15-17.00	Alumni InterviewsEP (Interview will be arranged Vhybrid format: on- / off - line)	Graduates EP Clusters 1, 5, 6 (Application No. 3 List alumni EP)	Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 1)
17.00-17.10	Technical break	<i>External experts IAAR</i>	Audience G-1-101
17.10-17.50	Interview With employersEP (Interview will be arranged Vhybrid format: on- / off - line)	Employers EP Clusters 1, 5, 6 (Application No. 4 List EP's employers)	Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 1)
16.15-17.50	Individual work experts WEC (parallel)	<i>External experts IAAR clusters 2, 3, 4 continue work With documents</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (session hall Zoom 2)
17.50-20.00	WEC work: summarizing results of the second day and parameter discussion profiles (ongoing record)	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (Only For VEC)
20.00-21.00	Dinner	<i>External experts IAAR</i>	cafe "Brig"

Day 3: 27 April 2023			
10.00-11.30	WEC work: development and discussion of recommendations (ongoing record)	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only for VEC)
11.30-11.45	Technical break	<i>External experts IAAR</i>	Audience G-1-139
11.45-13.00	WEC work: development and discussion recommendations	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only For VEC)
13.00-14.00	Dinner	<i>External experts IAAR</i>	cafe "Pomegranate"
14.00-15.45	WEC work: acceptance voting decisions (ongoing record)	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only for VEC)
15.45-16.00	Technical break	<i>External experts IAAR</i>	Audience G-1-139
16.00-16.30	Final meeting WEC With leadership university	<i>Management university, leaders EP, External experts IAAR</i>	Audience G-1-101 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662
16.30-18.00	Summing up the work WEC	<i>External experts IAAR</i>	Audience G-1-139 Join a Zoom meeting https://us02web.zoom.us/j/4941240662 Identifier conferences: 494 124 0662 (only for VEK)
18.00-19.00	Dinner	<i>External experts IAAR</i>	cafe "Brig"
Departure off - line experts 28 April 2023			



Annex 3. SURVEY RESULTS OF THE FACULTY

1. Total number of profiles: 57

2. Position

Professor	10 people	17.5 %
Assistant professor	11 people	19.3 %
Senior lecturer	18 people	31.6 %
Lecturer	11 people	19.3 %
Head department	3 people	5.3 %
Associate professor	2 people	3.4 %
Head of the Central Committee of Ecology and Belarusian Railways	1 person	1.8 %
Acting Associate Professor	1 person	1.8 %

3. Academic degree, academic title

Honored Worker of the Republic of Kazakhstan	0 people	0 %
Doctor of Science	3 people	5.3 %
Candidate of Science	20 people	35.1 %
Master	17 people	29.8 %
PhD	13 people	22.9 %
Professor	1 person	1.8 %
Assistant professor	8 people	14 %
No	4 people	7 %
Associate professor	1 person	1.8 %

4. Work experience

Less than 1 year	1 person	1.8 %
From 1 to 5 years	7 people	12.3 %
More than 5 years	49 people	86 %

No	Questions	Very good	Fine	Relatively bad	Badly	Very bad	Didn't answer
6	To what extent does the content of the educational program meet your scientific and professional interests and needs?	42 people (73.7 %)	15 people (26.3 %)	0 people (0 %)	0 people (0%)	0 people (0%)	-
7	How do you assess the opportunities provided by the university for the professional development of teaching staff	32 people (56.1 %)	25 people (43.9 %)	0 people (0 %)	0 people (0%)	0 people (0%)	-
8	How do you assess the opportunities provided by the university for the career growth of teaching staff	26 people (45.6 %)	30 people (52.6 %)	1 person (1.8 %)	0 people (0 %)	0 people (0%)	-
9	How do you assess the degree of academic freedom of teaching staff	23 people (40.4 %)	33 people (57.9 %)	1 person (1.8 %)	0 people (0 %)	0 people (0%)	-
	To what extent can teachers use their own						
10	• Strategies	35 people (61.4 %)	22 people (38.6 %)	0 people (0%)	0 people (0%)	0 people (0%)	-
11	• Methods	42 people (73.7 %)	15 people (26.3 %)	0 people (0%)	0 people (0%)	0 people (0%)	-
12	• Innovation in the learning process	40 people (70.2 %)	17 people (29.8 %)	0 people (0%)	0 people (0%)	0 people (0%)	-
13	How do you assess the work on the organization of medical care and disease prevention at the university?	39 people (68.4 %)	16 people (28.1 %)	2 people (3.5 %)	0 people (0%)	0 people (0%)	-
14	How does the management of the educational institution pay attention to the content of the	36 people (63.2 %)	21 people (36.8 %)	0 people (0%)	0 people (0%)	0 people (0%)	-

	educational program?						
15	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	32 people (56.1%)	23 people (40.4%)	2 people (3.5%)	0 people (0%)	0 people (0%)	-
16	Assess the level of conditions created that take into account the needs of different groups of students?	29 people (50.9%)	28 people (49.1%)	0 people (0%)	0 people (0%)	0 people (0%)	-
	Assess the accessibility of the guide						
17	• Students	40 people (70.2%)	17 people (29.8%)	0 people (0%)	0 people (0%)	0 people (0%)	-
18	• Teachers	40 people (70.2%)	16 people (28.1%)	1 person (1.8%)	0 people (0%)	0 people (0%)	-
19	Assess the involvement of teaching staff in the process of making managerial and strategic decisions	22 people (38.6%)	33 people (57.9%)	2 people (3.5%)	0 people (0%)	0 people (0%)	-
20	How is the innovation activity of teaching staff encouraged?	22 people (38.6%)	34 people (59.6%)	1 person (1.8%)	0 people (0%)	0 people (0%)	-
21	Assess the level of feedback from teaching staff with management	31 people (54.4%)	26 people (45.6%)	0 people (0%)	0 people (0%)	0 people (0%)	-
22	What is the level of stimulation and involvement of young professionals in the educational process?	25 people (43.9%)	31 people (54.4%)	0 people (0%)	1 person (1.9%)	0 people (0%)	-
23	Evaluate the created opportunities for professional and personal growth for each teacher and employee	32 people (56.1%)	23 people (40.4%)	1 person (1.8%)	1 person (1.9%)	0 people (0%)	-
24	Assess the adequacy of recognition of the potential and abilities of teachers	25 people (43.9%)	32 people (56.1%)	0 people (0%)	0 people (0%)	0 people (0%)	-
	How is the work done						
25	• For academic mobility	20 people (35.1%)	33 people (57.9%)	4 people (7%)	0 people (0%)	0 people (0%)	-
26	• To improve the qualifications of teaching staff	26 pers. (45.6%)	27 people (47.4%)	4 people (7%)	0 people (0%)	0 people (0%)	-
	Evaluate the support of the university and its management						
27	• Research initiatives of teaching staff	26 pers. (45.6%)	31 people (54.4%)	0 people (0%)	0 people (0%)	0 people (0%)	-
28	• Development of new educational programs / academic disciplines / methods	30 people (52.6%)	27 pers. (47.4%)	0 people (0%)	0 people (0%)	0 people (0%)	-
	Assess the level of ability of teaching staff to combine teaching						
29	• With scientific research	25 people (43.9%)	29 people (50.9%)	3 people (5.3%)	0 people (0%)	0 people (0%)	-
thirty	• with practical activities	21 people (36.8%)	31 people (54.4%)	5 people (8.8%)	0 people (0%)	0 people (0%)	-
31	Assess the extent to which students' knowledge obtained at this university corresponds to the realities of the requirements of the modern labor market	31 people (54.4%)	26 people (45.6%)	0 people (0%)	0 people (0%)	0 people (0%)	-
32	How does the leadership and administration of the university perceive criticism?	14 people (24.6%)	43 people (75.4%)	0 people (0%)	0 people (0%)	0 people (0%)	-
33	Assess how your workload meets your expectations and abilities	21 people (36.8%)	29 people (50.9%)	7 people (12.3%)	0 people (0%)	0 people (0%)	-
34	Evaluate the focus of educational programs / curricula on the formation of students' skills and abilities to analyze the situation	25 people (43.9%)	32 people (56.1%)	0 people (0%)	0 people (0%)	0 people (0%)	-

	and make forecasts						
35	Assess how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	29 people (50.9 %)	28 people (49.1 %)	0 people (0%)	0 people (0%)	0 people (0%)	-

36. Why do you work in this university?

1. The leading technical university of the country, which is the center of advanced engineering education.
2. It is possible to teach in English
3. I am a graduate of this university
4. Strong and promising university
5. Like teaching activities and the opportunity to engage in research
6. Good pay and the possibility of personal growth, as well as the implementation of scientific interests
7. Zhaksy zhalaky, zhaksy zhymys shart-zhagdayy
8. My native university, I opened the specialty "Urban cadastre" in this university, the university creates all the conditions for teaching, scientific activities.
9. Akparattyk technologylarmen tygyz baylanysy, kyzmettik esuge zhagdai zhasaluy, bilim berudin practitioners bagytynyn basimdygy

37. How often do you have workshops and lectures with practitioners in your course?

Very often	11 people	19.3 %
Often	31 people	54.4 %
Sometimes	14 people	24.6 %
Pretty rare	1 person	1.8 %
Never	0 people	0%

38. How often do invited teachers (domestic and foreign) participate in the learning process?

Very often	20 people	35.1 %
Often	28 people	49.1 %
Sometimes	9 people	15.8 %
Pretty rare	0 people	0%
Never	0 people	0%

39. How often do you encounter the following problems in your work: (please give an answer in each line)

	Often	Sometimes	Never	No answer
Lack of classrooms	0 people (0 %)	24 people (42.1 %)	33 people (57.9 %)	-
Unbalanced study load by semesters	3 people (5.3 %)	38 people (66.7 %)	16 people (28.1%)	-
Unavailability of necessary literature in the library	0 people (0 %)	22 people (38.6 %)	35 people (61.4 %)	-
Overcrowding of study groups (too many students in the group)	0 people (0 %)	7 people (12, %)	50 people (87.7 %)	-
Inconvenient schedule	0 people (0 %)	25 people (43.9 %)	32 people (56.1 %)	-
Inappropriate conditions for classes in classrooms	0 people (0 %)	20 people (35.1 %)	37 people (64, 9 %)	-
No internet access/poor internet	0 people (0 %)	26 people (45.6 %)	31 people (54.4 %)	-
Students' lack of interest in learning	0 people (0%)	26 people (45.6 %)	31 people (54.4 %)	-
Untimely receipt of information about events	0 people (0 %)	12 people (21.1 %)	45 people (78.9 %)	-
Lack of technical facilities in classrooms	2 people (3.5 %)	35 people (61.4 %)	20 people (35.1 %)	-
Other problems	<ul style="list-style-type: none"> • No • No problem • No obvious problems • Technical equipment • There are no problems, if any, they are solved privately, very quickly and all the needs of the teacher regarding the educational 			

	<p>process are satisfied</p> <ul style="list-style-type: none"> • Masele zhok • There are none • No problem • Missing • There are no problems • No warm water in winter to wash hands • Lack of software equipment • Bari zhaksy • Rather lengthy coordination of documents in the Directum system • There are no special technical and organizational problems there are no unsolvable problems. Everything is solved gradually, or on-line, as needed. • Kazakh tilindegi mamandandyrylgan adebietterdin az boluy • Päder boyinsha keide kazaksha okulyktardyn zhetispeushiligi • Oku barysynda qoldanylatyn qazaksha adebietterdin azdygy • Kazakh tilinde adebietterdin azdygy • Not all classrooms have excellent internet access • Technical equipment • No problem • a lot of paper work that can be converted into electronic form • Lack of computer classrooms • It is advisable to install graphic tablets connected to a PC and a projector in lecture halls • Difficulties in acquiring the necessary materials for scientific work through the state. purchase • no problem. • There are no special problems, something small happens • Weak internet in some classrooms • I would like 13 wages • Resolved as they arise • The growth in the number of students does not keep pace with material support, it is necessary to address the issues of the classroom fund • Aytarlyktay masele zhok. • Student zhatakananyn bolmauy
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40. There are many different sides and aspects in the life of the university, which in one way or another affect every teacher and employee. Rate how satisfied you are:

Question	Completely satisfied	Partially satisfied	Not satisfied	Difficult to answer
The attitude of the university management towards you	43 people (75.4 %)	13 people (22.8 %)	1 person (1.8 %)	0 people (0 %)
Relationships with direct management	52 people (91.2 %)	5 people (8.8 %)	0 people (0 %)	0 people (0 %)
Relationships with colleagues in the department	55 people (96.5 %)	2 people (3.5 %)	0 people (0 %)	0 people (0 %)
Participation in management decision making	41 people (71.9 %)	1 4 people (24.6 %)	0 people (0 %)	2 people (3.5 %)
Relations with students	55 people (96.5 %)	2 people (3.5 %)	0 people (0 %)	0 people (0 %)
Recognition of your successes and achievements by the administration	44 people (77.2 %)	12 people (21.1 %)	1 person (1.8 %)	0 people (0 %)
Support for your suggestions and comments	44 people (77.2 %)	12 people (21.1 %)	0 people (0 %)	1 person (1.8 %)
The activities of the administration of the university	3 9 pers. (68.4 %)	17 people (29.8 %)	0 people (0 %)	1 person (1.8 %)
Terms of pay	26 people (45.6 %)	29 people (50.9 %)	1 person (1.8 %)	1 person (1.8 %)
Working conditions, list and quality of services provided at the university	47 people (82.5 %)	9 people (15.8 %)	0 people (0 %)	1 person (1.8 %)
Occupational health and safety	48 people (84.2 %)	9 people (15.8 %)	0 people (0 %)	0 people (0 %)

Management of changes in the activities of the university	40 people (70.2 %)	16 people (28.1 %)	1 person (1.8 %)	0 people (0 %)
Providing a social package: rest, sanatorium treatment, etc.	22 people (38.6 %)	26 people (45.6 %)	4 people (7 %)	5 people (8.8 %)
Organization and quality of food at the university	42 people (73.2 %)	15 people (26.3 %)	0 people (0 %)	0 people (0 %)
Organization and quality of medical care	44 people (77.2 %)	12 people (21.1 %)	1 person (1.8 %)	0 people (0 %)



Annex 4. SURVEY RESULTS OF STUDENTS

Questionnaire for students

Total number of profiles: 177

6B04107 Social media marketing	8	4.52%
7M04107 Social media marketing	2	1.13%
6B07109 Medical engineering (Medical equipment)	11	6.21%
7M04102 Technology Entrepreneurship	4	2.26%
6B04109 State financial management	27	15.25%
6B11202 Innovative safety management of natural and man-made emergencies	10	5.65%
6B07312 Land cadastre and land management	84	47.46%
7M11301 Organization of transportation, traffic and transport operation	4	2.26%
6B07309 BIM - technologies in design	6	3.39%
7M07312 Land cadastre and land management	13	7.34%
8D05401 Mathematics	2	1.13%
8D07103 Thermal power engineering	6	3.39%

Sex:

Male	60.5
Female	39.5

Rate how satisfied you are:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I'm at a loss answer
1. Relations with the dean's office (school, faculty, department)	85.9	14.1			
2. The level of accessibility of the dean's office (school, faculty, department)	84.7	13.6	1.7		
3. The level of accessibility and responsiveness of the leadership (university, school, faculty, department)	83.6	14.7	1.1	0.6	
4. Availability of academic counseling	80.2	18.7			1.1
5. Support with educational materials in the learning process	78.5	18.1	3.4		
6. Availability of personal counseling	73.4	19.3	5.6	0.6	1.1
7. Relationship between student and teacher	78.5	18.7	2.8		
8. The activities of the financial and administrative services of the educational institution	70.6	22.6	3.4	1.1	2.3
9. Availability of health services	73.4	19.7	2.3	0.6	4
10. The quality of medical care at the university	69.5	22	1.7	1.7	5.1
11. The level of availability of library resources	91	7.3	1.1	0.6	
12. The quality of services provided in libraries and reading rooms	87	10.2	1.7	1.1	
13. Existing educational resources of the university	86.4	11.3	1.7		0.6
14. Availability of computer classes	74	19.2	3.4	1.7	1.7
15. Availability and quality of Internet resources	71.2	20.9	5.1	1.7	1.1
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	89.3	9.6	1.1		
17. Study rooms, auditoriums for large groups	77.4	17.5	2.8	1.7	0.6
18. Lounges for students (if any)	76.3	17.4	1.7	0.6	4
19. Clarity of disciplinary procedures	79.7	15.8	1.7		2.8
20. The quality of the educational program as a whole	83.6	14.7	1.7		
21. The quality of study programs in the EP	81.9	16.9	0.6	0.6	
22. Teaching methods in general	75.7	20.9	1.7	1.7	
23. Quick response to feedback from teachers on the educational process	79.7	17.5	1.7		1.1
24. Overall quality of teaching	83.1	15.2	1.7		
25. Academic load / requirements for the student	71.2	21.5	5.6	1.1	0.6
26. The requirements of the teaching staff for the student	79.1	15.2	2.3		3.4

27. Information support and clarification before entering the university of the rules for admission and the strategy of the educational program (specialty)	85.3	10.7	2.3	1.1	0.6
28. Informing the requirements in order to successfully complete this educational program (specialty)	86.4	11.3	1.7	0.6	
29. The quality of examination materials (tests and examination questions, etc.)	80.8	17.5	0.6		1.1
30. Objectivity in assessing knowledge, skills and other educational achievements	79.1	16.5	2.2	2.2	
31. Available computer classes	73.5	22	1.7	1.7	1.1
32. Available scientific laboratories	74.8	17.8	2.3	1.1	4
33. Objectivity and fairness of teachers	71.2	22	5.1		1.7
34. Informing students about courses, educational programs and the academic degree received	85.8	9.6	2.3	0.6	1.7
35. Providing students with a hostel	76.2	11.3	2.3		10.2

How much do you agree with:

Statement	Full consent	Agree	Partially agree	Disagree	Complete disagreement	Didn't answer
36. The course program was clearly presented	78	17.5	4.5			
37. Course content is well structured	73.4	19.8	6.2	0.6		
38. Key terms adequately explained	68.9	27.7	3.4			
39. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice	67.8	26	6.2			
40. The teacher uses effective teaching methods	64.4	25.4	7.9	1.7	0.6	
41. The teacher owns the material being taught	74	22.6	3.4			
42. The lecturer's presentation is clear	68.4	25.4	6.2			
43. The teacher presents the material in an interesting way	61.5	23.2	12.4	2.3	0.6	
44. Objectivity in assessing knowledge, skills and other educational achievements	62.7	24.3	9.6	3.4		
45. The timeliness of assessing the educational achievements of students	63.8	26.6	7.9	1.7		
46. The teacher meets your requirements and expectations for professional and personal development	63.3	27.7	7.3	1.7		
47. The teacher stimulates the activity of students	63.9	23.7	11.3	1.1		
48. The teacher stimulates the creative thinking of students	59.8	26.6	11.3	1.7	0.6	
49. Appearance and manners of the teacher are adequate	72.3	25.4	1.7	0.6		
50. The teacher has a positive attitude towards students	67.8	22.6	9.6			
51. The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	71.7	24.9	2.8	0.6		
52. Evaluation criteria used by the teacher are clear and accessible	72.3	22.6	5.1			
53. The teacher objectively evaluates the achievements of students	65.5	24.3	9.6	0.6		
54. The teacher speaks a professional language	75.6	21.5	2.3	0.6		
55. The organization of education provides sufficient opportunities for sports and other leisure activities.	71.2	21.5	5.6	1.1	0.6	
56. Facilities and equipment for students are safe, comfortable and modern	68.9	20.9	8.5	1.1	0.6	
57. The library is well equipped and has a sufficient fund of scientific, educational and methodical literature	79.1	16.9	2.8	1.1		
58. Equal opportunities for mastering the EP and personal development are provided to all students	76.8	19.8	1.1	2.3		

Other concerns regarding the quality of teaching:

- -
- No
- No problem
- No problem
- No
- There are no problems
- Maseleler zhok
- no problem
- No problems regarding the quality of teaching

- Eshkandai maslele zhok, bari öte zhogargy deñgeyde.
- Baska maseleler baikalmady, kalganymen tolyktai kelisemin
- Okytu sapasyna katysty masleler zhok
- Jock
- Zhok
- zhok
- Zhatakhana tural saualnama
- No problem
- .
- Barlygy zhaksy zhasalghan al suraqtar tuyndasa curator of the deanery arkyly sheshuge bolady azirge suraqtar maseler zhok osy oku ornina rizamyn
- Menin oyymsha auditoriumlarda materialdyk bazany birneshe ese zhaksartsa.
- There are no problems.
- The University needs renovation!
- Meni university_mnin oku sapas kanarattandyady!
- Bilim take bagdarlamasy men university okytuyna көñilim tolyktai tolady. Menin oyymsha, audience of men materialdyk bazalardy zhaksartsa dep oylaymyn.
- No problem.
- No problem
- None
- Barlygy kolzhetimdi zhane sapali, 1-course bolgandyktan ali biraz akparatpen tanysu kerek
- Masele zhok, oku sapasy zhaksy
- Everything is fine
- Masele zhok
- No offers
- Bizdin mamandyk boyinsha bilim I take sapas öte zhaksy! Men wasps bilim beretin university student tüskenime kuanamyn!
- Yeshkanday masele zhok
- most of the teachers do not like university activists, although activists raise the university very much no worse than any laboratories or discoveries
- Creativity and the ability to attract attention
- No
- Dissatisfied with the schedule
- No
- No
- No problem. Excellent teaching staff.
- Teachers are incompetent
- Bilim aluga kyzkytyratyn sharalar uyimdar zharystar zhok deuge bolady, sapasy nashar bolsada. Tekhnikalық mamandyқ kyzыksyz көrinedi oku barysy. Ozge univerlerge baru zharyska katysu ushin tek en myktylar gana barady onyn ozinde ozine senimdi. Al көpshiligi zhai student bolip kalady. ashylura mymkindik az
- Didn't notice any problems
- Baska maseleler zhok
- If we talk about teaching in my school, then there are no problems at all, but subjects that do not belong to my profession are complete nonsense. Why the hell do they strain me with absolutely unnecessary subjects when I entered the profession, I spend an incredible amount of energy in order to pass an unnecessary subject so that I would not be expelled, wow, this is so cool. In order to study everything else, I can go back to school, this nonsense at the university is not needed, it only wastes the student's time, and especially the nerves, I lost interest in studying due to the fact that they put under my nose the wrong subjects that should be , 1 course is just a bunch of piled something for show.