

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING



**Independent agency for
accreditation and rating**

REPORT

**ON THE RESULTS OF THE EXTERNAL EXPERT COMMITTEE
TO ASSESS THE EDUCATIONAL PROGRAMS**

5B071300 «TRANSPORT, TRANSPORT TECHNIQUE AND TECHNOLOGY»

**OF THE NORTH KAZAKHSTAN STATE UNIVERSITY NAMED AFTER M.
KOZYBAYEV**

FOR COMPLIANCE WITH STANDARDS OF SPECIALIZED ACCREDITATION

FROM 15 TILL 17 JUNE 2015

Petropavlovsk, 2015

In accordance with the order №16-15-OD from 08.06.2015 of the Independent Agency for Accreditation and Rating in the period from 15 till 17 June 2015 the external expert committee (EEC) has conducted a conformance assessment of educational programs on the following cluster in NKSU named after M.Kozybayev:

1 cluster – 5B050900 Finance, 5B050800 Accounting and audit, 5B050600 Economics, 6M050600 Economics;

2 cluster – 5B030100 Jurisprudence, 6M030100 Jurisprudence;

3 cluster – 5B072900 Civil engineering, 5B042100 Design;

4 cluster – 5B071300 transport, transport technique and technology;

5 cluster – 6M070100 Biotechnology;

The report of the external expert committee (EEC) consists of an assessment the activity of the education organization for criteria of IAAR, recommendations of EEC on the further develop to further improvement the activity and settings of the specialized profile of the North Kazakhstan State University named after M. Kozybayev.

Group of EEC:

1. **Chairman of committee** – Sakhanova Ardak Nauryzbayevna, Doctor of Economics Sciences, Vice-rector for the strategic development of Kazakh Ablai Khan University of International Relations and World Languages (Almaty).

2. **Foreign expert** – Brigita Baltaca, Associated Professor of Bank High School of Business and Finance (Riga, Latvia).

3. **Expert** – Karsybaev Erzhan Ertaevich, Doctor of Technical Sciences, Professor of the department “Lift-and-carry machines and hydraulics”. K.I.Satpaev Kazakh national technical university (Almaty).

4. **Expert** – Vidisheva Galina Gemadyevna, Candidate of technical sciences, the Head of Registrar office, D.Serikbayev West Kazakhstan state technical university (Ust-Kamenogorsk).

5. **Expert** – Eshzhanov Talgat Esmakhanbetovich, PhD, acting Associate Professor of the department of biotechnology and microbiology of the Natural sciences faculty of L.N.Gumilev Eurasian national university (Astana).

6. **Expert** – Bodikov Seyfolla Zhamanovich, senior teacher of the department of Arts, deputy dean for educational work, the member of Designers’ union of the RK, the member of the Eurasian union of designers. E.A.Buketov Karaganda State University (Karaganda).

7. **Expert** – Mutallyapova Shynar Eleusizovna, Candidate of Economics Sciences, Associate Professor of the department of Marketing and service of S.Seyfullin KazATU (Astana).

8. **Expert** – Zharkenova Svetlana Bakhytovna, Candidate of Juridical Sciences, Associate Professor, acting head of the department of “City law disciplines” of L.N.Gumilev Eurasian national university (Astana).

9. **Expert** – Seydakhmetova Sholpan Ganjevna, jurist (Almaty).

10. **Employer** – Aubakirov Bulatbek Askarovich, director of LLP “Auditor agency “Alias-TU”, the member of the auditors chamber of the RK (Petropavlovsk).

11. **Student** – Adilbekova Aksaulesh Adilbekkyzy, a 3 year student of L.N.Gumilev Eurasian national university (Astana);

12. **Observer from the agency** - Kanapyanov Timur Erbolatovich, head of International projects of the Agency (Astana).

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1. Presentation of the North Kazakhstan State University named after M. Kozybayev

Modern North Kazakhstan State University named after M. Kozybayev was formed on the basis of the decision of Council of National Commissioner of the Kazakh SRU from 19 March 1937 as “Petropavlovsk Pedagogical Institute”. In 1939 Petropavlovsk Pedagogical Institute was awarded the status of the state. In 1955 it was transformed into the Pedagogical Institute by the order of the Council of Ministers of USSR.

In 1994 the North Kazakhstan University was opened on the basis of Petropavlovsk Pedagogical Institute. North Kazakhstan State University was awarded the status of the state university by the resolution № 163 from 31 January 2001 of the Government of the Republic of Kazakhstan.

North Kazakhstan State University was named by academician Manash Kozybayev by the resolution № 497 from 30 May 2003 of the Government of the Republic of Kazakhstan.

In 2012 the university was reorganized by transforming the Republican state enterprise on the right of economic management North Kazakhstan State University named after Manash Kozybayev.

The realization and development of accredited educational programs are defined, first, by the vision, mission and strategy of NKSU named after M. Kozybayev. The mission of NKSU named after M. Kozybayev is to form a highly qualified and socially successful personality capable of solving strategically important tasks of the North Kazakhstan region and republic development on the whole. The staff of the university is aimed at developing a unified scientific-innovative, information-analytical, socially oriented environment contributing to the integration of the university into the world educational space, while keeping of existing values and tradition.

Vision. As a result of the strategic directions the university will be a modern research university of innovative type, leading multidisciplinary universities, which has an effective management system, which implements educational programs on demand in the region areas, carrying out high-quality training and research, in demand in Kazakhstan and the international labor market.

Basic guidelines for the development of training areas of the university are defined in the Development Strategy of NKSU named after M. Kozybayev till 2020 and Development Plan of NKSU named after M. Kozybayev for 2012-2015 (plan for the implementation of the Development Strategy).

To develop the strategic documents the staff of the university evaluates the uniqueness of the university to meet the needs of stakeholders and market niches, as well as forward-looking analysis of the market of educational services development.

The University operates on the basis of the relevant license (№ 12016901 issued KKSON MES, 19.11.2012.) within the national educational system in accordance with the legislation of the Republic of Kazakhstan. Ownership: The Republican State Enterprise on the right of economic management.

The University provides the training for 50 Bachelor’s professional educational programs; 25 Master’s educational programs; 4 PhD educational programs.

The contingent of students on educational programs: Bachelor - 3975, Master - 102, PhD - 2.

The University’s structure consists of 5 faculties, Institute of Language and Literature, 26 departments, including the military department, 42 subdivisions. The University’s infrastructure includes 9 educational buildings, Astrophysical Observatory, swimming pool, training and production complex "Miras", agrobiostation and 4 hostels.

The educational process is provided by highly qualified teaching staff in the amount of 386 people, of whom 330 (85%) are staff teachers, 13 of them are doctors, 149 candidates of sciences, 6 masters of sports.

There are 63 SSU, 6 scientific schools in the HEI. The university carries 10 scientific papers in the amount of 48,347,784 tenge, including 4 on the basis of economic contracts.

The University signed 66 operating contracts on cooperation with foreign universities, 8 – about the cooperation with international organizations, 43 – about the cooperation in the provision of educational services with the universities of Kazakhstan, 17 contracts of the creative and scientific cooperation with scientific and educational organizations of Kazakhstan.

There are 63 SSU, 6 scientific schools in the HEI. The university carries 10 scientific papers in the amount of 48,347,784 tenge, including 4 on the basis of economic contracts.

Since 2005 the university has developed, implemented and certified the quality management system.

In 2013 following the results of a pilot study QS World the University was in the five top of universities in Kazakhstan in the direction of preparation "Engineering and Technology".

According to the results of the rating of the National accreditation center of MES RK in 2011 two specialties took leading places, in 2012 - 2 specialties, in 2013 - 2 specialties, and in 2014 - 14 specialties.

According to IAAR in 2014 the University was in the 20 top of the best universities and took the 12th place in the total number of prizes of educational programs. In 2015 the University was in the 40 top of the best universities of the Republic of Kazakhstan.

In 2013 the university had the international accreditation of three specialties in the German agency ASIIN: 5B071800 Electrical power engineering, 6M071800 Electrical power engineering, 5B071600 Instrument making. In February 2015 the same agency passed the procedure of accreditation of five specialties: 5B071900 Radioengineering, electronics and telecommunications, 6M071900 Radioengineering, electronics and telecommunications, 5B070300 Information Systems, 6M070300 Information Systems, 5B011100 Computer Science.

In 2014 the university had the institutional accreditation and accreditation of 34 specialties in the Independent Agency for Accreditation and Rating of the Republic of Kazakhstan.

According to the results of the international ranking Webometrics the university's site has risen from 46th to 20th place for three years among Kazakhstan universities. Today the site is in the 4th place among the universities of Kazakhstan on the number of files and information volume.

The total area of buildings and facilities of the University is 83,638.3 m², also the area of educational buildings is 63,352.7 m². The university created 7 research centers, 12 research laboratories, united in Science and Technology Park. There are 37 virtual teaching laboratories, 38 specialized rooms, 38 multimedia classrooms at the university. Classrooms and study rooms are equipped with the necessary technical and audiovisual multimedia learning tools.

The university has a health center, equipped with modern equipment and staffed by leading medical specialists.

The University has its own student television studio "Parasat", equipped with modern television equipment, a pavilion and editing room, which twice a week provides the transmission of its programs at the regional air in Kazakh and Russian languages. In the studio "Parasat" are also conducted educational lessons and practical training for the students of the specialty "Journalism".

It publishes its own newspaper "Parasat" a volume of 16 pages in Kazakh and Russian languages. The content of the newspaper is formed by editorial staff, which consists of students of the specialty "Journalism".

In order to comply with licensing requirements, as well as to improve the organization and reduce the cost of food for students and staff it was established the Complex of Students' meals in December 2014.

2. Description of the visit of EEC

EEC's activity is carried out on the basis of an agreed program of the specialized accreditation with the university of.

In order to assess the content of the provided self-report of the North Kazakhstan State University named after M. Kozybayev EEC met with the Rector, vice-rectors, deans of natural sciences and sports faculty, history, economic and law faculty, engineering-technical faculty; heads of departments "Economics, accounting and service", "Finance and credit", "Legal disciplines", "Building and design", "Transport and mechanical engineering", "Agriculture"; heads of subdivisions, teachers, students, graduates, employers and workers from the various departments. The meeting was attended by 220 people.

Table 1. Information about workers and students, attended the meetings with EEC

| The participants' category | Number |
|---|------------|
| Rector | 1 |
| Vice-rectors | 4 |
| Heads of subdivisions of the university | 23 |
| Deans of faculties | 3 |
| Heads of profiled departments | 6 |
| Teachers | 56 |
| Students | 74 |
| Graduates | 32 |
| Employers | 21 |
| Total | 220 |

Activities planned during the visit of IAAR's EEC contributed in detailed acquaintance with the educational infrastructure of the university, material and technical resources, teaching staff, representatives of organizations of employers, students and graduates.

This allowed to the members of IAAR's EEC to carry out the independent assessment of compliance of the data contained in the reports of the self-evaluation of educational programs of the university, with the specialized accreditation standards criteria.

In order to obtain objective information on the assessment of the university's activities the members of EEC has used methods such as visual inspection, observation, meetings and conversations with the administration of the university, the deans, heads of departments, deans of faculties, teaching staff, students, graduates, employers, questionnaire of teachers and students.

Also the EEC visited the process of diploma papers' protection on 5B071300 "Transport, transport technique and technology" in accordance with the approved schedule. Diploma work was heard on the theme of "Improvement of the damping suspension device of the truck" of the student of the group Tr-11 Zhamen Assylbek Toktaruly; "Analysis of modern methods of restoration of crankshafts of internal combustion engines for the conditions of LLP "Remplazma" - the student of the group Tr-11 Nesterenko Anatoly Vladimirovich. The experts has studied the documents of the department, which implement accredited educational program.

In the process of the work the EEC conducted a visual inspection of laboratory facilities of the department: education and virtual laboratory of the department (Laboratory "Internal Combustion Engines", "CAD in road transport", "Road Safety", "electronic, electrical equipment of road transport", and others.), repair workshops, computer classes.

The experts visited the base practices of the accredited program LLP "Partner-Auto", Ltd "Remplazma", LLP "International Bus Park" (MAP).

Activities planned during the visit WEC nauru contributed detailed acquaintance with the educational infrastructure experts university logistic resources, faculty and staff, students, employers, graduates. This allowed members of the WEC nauru an independent assessment of

compliance with the data contained in the reports of the self-evaluation of the educational program of the University, specialized accreditation standards criteria.

3. General assessment of educational programs

North Kazakhstan State University named after M. Kozybayev operates on the OP in accordance with the State license №12016901 of 19 November 2012, issued by the Committee for Control of Education and Science of the MES and the Supplement 5B071300 - Transport, transport technique and technology (№ 12016901 from 19.11.2012g.)

Accredited educational program is implemented in accordance with the State Program of Education Development of Kazakhstan for 2011-2020, State educational standards of the RK, Development Strategy of NKSU named after M. Kozybayev for 2011-2020, Strategic Development Plan of NKSU named after M. Kozybayev for 2011-2015, Development Plans of appropriate educational programs.

The content of the educational program is designed based on the principles of continuity and succession in accordance with modern achievements of science, technology and production requirements.

Catalogues of educational program modules are updated annually in line with the recommendations of the employers.

The quality of training is provided by highly qualified undergraduate faculty, infrastructure, application of modern technologies of training and control of knowledge of students, integration of education, science and production.

The content of the accredited educational program is formed in accordance with the requirements of SES, provided the study of general compulsory modules, compulsory modules of the specialty and elective modules of students of the educational program.

The educational program 5B071300 - Transport, transport technique and technology have the following positive aspects:

- the modular structure of educational programs with elements of competence-based approach; Education Program provides an opportunity to build individual learning paths; in the educational program respected the balance of theoretical and practical modules; management education program is working closely with potential employers and database practices; forms of control are adequate competences formed;

- scientific library provides access to the catalogs of the Republican Interuniversity Electronic Library (RIEL); multidisciplinary electronic research platform Web of Knowledge (DB Thomson Reuters); Kazakhstan National Electronic Library; DB Polpred.com Media Review; Database "Paragraph" section of scientific and technical documentation;

- operating educational portal and information site in three languages, information and analytical complex management of educational process "Electronic administration", ACS "Electronic timetable", the system of distance learning eLearning NKZU, system network testing WEB-test, based on the use of Internet technologies, designed to assess students' knowledge testing method.

4. Compliance with standards for specialized accreditation

4.1 Standard «Education Program Management»

Educational program 5B071300 "Transport, transport technique and technology" is designed according to the SES for the respective base specialty, agreed to the mission, the strategy of development of the university and the relevant employers' demands. Unfortunately, there is no university in the document entitled "Plan of EP" Transport, transport equipment and technologies ". However, the provision of quality educational services at the university, the adequacy of the educational program meets the modern requirements and is at a sufficient level.

The university clearly documented all the major business processes, identified those responsible for their implementation, the responsibilities of the collegial bodies involved in the implementation of the EP. Planning the learning process represented by the structure of related documents (model curricula, CED, the basic working curricula and individual educational plans of students, working curricula of specialties) and a set of different types of educational-methodical documentation. To implement educational programs developed by the university annually catalogs of elective courses, which describe the discipline component of choice with a brief indication of the content of pre- and post-requisites. CED is available for students in print and electronic media (IACUM "Electronic administration," the dean's office, in the departments). The structure and content of working curricula meet SES specialties. The sequence of study subjects is built with the use of pre- and post-requisites.

Working curricula, catalogs of elective courses, work study programs and EMCD are changeable. Changes can be made according to the wishes of employers reflect the needs and realities of the transport sector, in coordination with the education department NKSU on the basis of NKSU UMS solutions.

In determining the competence, learning outcomes formed in the EP, and, later, for the formation of learning content as an input used:

- The requirements of state educational standards of higher and postgraduate education, approved by the Government Resolution in August 23, 2012 number 1080;
- the requirements of model curricula at the appropriate direction or specialty;
- national and international requirements for the competence of graduates of educational programs, the European Qualifications Framework, National Qualifications Framework, approved by joint order № 444 of MTandSSN and MES from 28.09.2012;
- the specific requirements of potential employers for graduates of this profile, the level and direction;
- the needs of the regional, national, national and international labor markets;
- survey all stakeholders to determine competency.

The content of the educational program is updated taking into account the views of employers. The increasing demands of the labor market, the results of the survey of students, graduates and employers, a consistent formulation of the problem of formation of professional competence within the undergraduate and at the level of "Bachelor" rational planning theory and practice of training lead to the need for frequent updating of educational programs.

The active position of employers, teaching staff and students may be noted as one important factor during their participation in the composition of the management bodies of educational programs. For example, the discussion of subjects recommended by the employer regularly carried out by existing branches of the department on the basis of LLP "Partner Avto" (Contract on 01.09.2012.). The structure, which includes the chief engineer of LLP "Partner Avto" Tulegenov B.T., also employers and students regularly participate in the meetings of the department and the faculty. The student of 3rd year Dzhambeisova A.E. is the member of the trade-union of ITF, member of the Board of ITF. On the meeting of the faculty Dzhambeisova A.E. represents the interests of students and voices suggestions and justified the need for adjustment or conversion of the accredited EP. At meetings of the department TandM regularly visiting employers (B.K. Rakhimov, L.A. Kiselev, A.V. Burlev, S.A.Glushko, V.G.Yakovlev, etc.) of base enterprises discuss qualitative and quantitative questions on development educational program (Minutes №7 of 12.02.2015, item 4.3. On Amendments to the RUP to 2015-2016). They recommend a list of required subjects HF corresponding to the latest trends of development of transport engineering and technology. Also they justify the need for the purchase of modern laboratory equipment for the formation of students' professional competencies.

As part of EP 5B071300 "Transport, transport technique and technology" one of the recommendations of the Chairman of the SJC of 2012/13 was: "to enter into the educational process disciplines "Engineering Graphics", "Road maintenance materials", "Calculation of the

vehicle structure". Implementation of the decision was the inclusion of these disciplines in the newly developed curricula.

Disciplines of educational program included in the catalog of elective subjects on a proposal from the employers are presented in Table 2.

Table 2 – Disciplines of educational program included in the catalog of elective subjects on a proposal from the employers

| Employer | Discipline | Reason |
|--|---|--|
| 5B071300 «Transport, transport technique and technologies» | | |
| LLP «Mexkalonna 60» | "Complex mechanization and automation of loading and unloading operations", "Technical diagnostics of lifting and transport machines" | Minutes of the meeting. File №07-19-14 |
| LLP «REMLAZMA» | "Mechanical engineering, manufacturing and repair of hoisting and road machines" | Minutes of the meeting. File №07-19-14 |
| LLP «Partner-Avto» | "Occupational Safety and Ecology in transport" | Minutes of the meeting. File №07-19-14 |

Experts of organizations of Petropavlovsk and North Kazakhstan region are involved in the implementation of educational programs in the following areas: formation of the curriculum; the development of practical training; advice; reviewing theses; external quality assessment of knowledge of graduates; the formation of the theses; evaluation of production practices.

Specific examples of the involvement of employers in specific educational programs are presented in Table 3.

Increased competition in the field of education, stricter requirements on the part of consumers to quality educational services has led to the orientation of the activities of the department, "Team" to the consumer, as a key principle in the organization of educational process. It is based on the Department of Consumer define the purpose of their activities and set goals to achieve it.

Table 3 – The participation of employers in the implementation of the educational program

| Educational program | Employer | Type of participation |
|--|--|----------------------------------|
| 5B071300 «Transport, transport technique and technologies» | Director of LLP «Partner-Avto» Rakhimov B.K. | Participation in the work of SAC |
| 5B071300 «Transport, transport technique and technologies» | Director of LLP «BAIRA» Bekmukhambetov B.A. | Participation in the work of SAC |
| 5B071300 «Transport, transport technique and technologies» | Deputy director on the quality of JSC "ZIKSTO" Glushko S.A. | Reviewer of diploma papers |
| 5B071300 «Transport, transport technique and technologies» | Abramov B.M., engineer on repair of transport and road-building machinery, Yakovlev V.G., chief engineer of LLP "MEXKOLONNA 60". | Reviewer of diploma papers |

Regular monitoring of performance and adjust plans for the development of educational programs and their implementation is carried out at the level of university faculties and departments on the basis of the existing quality management system. During the implementation of educational programs carried out to collect and analyze statistics on the contingent of students and graduates, available resources, personnel composition of the scientific and international activity, other areas and monitored the extent to which planned results, in accordance with the procedures of the QMS.

The management activities are actively implemented information technologies: functioning educational portal and information site in three languages, information and analytical complex management of educational process "Electronic administration", ACS "Electronic timetable", the system of distance learning eLearning NKZU, system network testing WEB-test, based on the use of Internet technologies, designed to assess students' knowledge testing method.

All activities of the quality control of the educational process are carried out at different levels, are recorded in the form of records, acts, references, reports, etc. and discussed at faculty meetings and educational councils at meetings of the faculty councils. Preventive and corrective actions are developed based on the analysis and evaluation of monitoring indicators. Their effectiveness and efficiency is considered at faculty meetings, UMC and the Faculty Council. But unfortunately, while the accreditation of the university materials are not provided, which are capable of measuring the degree of satisfaction of the needs of faculty, staff and students, and are not presented evidence of deficiencies.

At a high level educational program is managed and worked on further development and planning. Management is carried out in accordance with the PP NKSU 11 Regulations on the organization of educational process on credit technology, of GNI NKSU 43 Regulations on the planning system in NKSU named. M. Kozybayev, GNI NKSU 39 Requirements and guidelines for the design and development of educational-methodical documentation of NKSU named after M. Kozybayev, GNI NKSU 40 Requirements for teaching materials disciplines, GNI NKSU 48 Requirements for electronic teaching materials and the procedure for placing them in the electronic library, GNI NKSU 49 Guidelines for the development and use of the video lessons in the educational process of NKSU named after M. Kozybayev.

Compliance of the goal "improving the competitiveness of education" with the "State Program for Education Development of the Republic of Kazakhstan for 2011-2020" within EP 5B071300 "Transport, transport technique and technology" is implemented by fundamental and applied studies on the topics of SRW, SRWS in the field of actual problems education; energy efficient recovery technologies and diagnostics of transport equipment; research and testing of materials and structures; the introduction of active learning methods; design, calculation and analysis methods in structural mechanics designs using CAD; study and implementation of the international green certification and the basic requirements of green standards.

Solution of the strategic objectives in the field of "smart economy", "the transition to resource- and energy-saving technologies" meet the study of the department "Transport and mechanical engineering": "Improving the reliability of the road-building machine technological methods", "Automation of technological processes and production", "The development of energy-efficient technology maintenance, diagnosis, repair and recovery". The topicality of selected areas of research is supported by the need of the North Kazakhstan region for highly qualified personnel in the transport sector. An important factor is the active cooperation with other institutions of higher education to improve the skills and experience exchange. For example, on the basis of an invitation SibADI Omsk, Russian Federation in 2013 Vladimir Savinkin has been trained in the direction of EP program "Management of service and diagnostics of cars and special machinery" (from 12.03.2013) 72 hours. The senior lecturer Kolisnichenko S.N. previously passed training in the direction of EP on "Promising technologies and mechanical systems of machines." Some studies, for example, "Improving the durability of the restored parts of hydraulic drive elements construction machinery highly concentrated source of energy of the plasma with an adaptive process control

system" is aimed at solving problems in the area of the republic high energy-saving technologies of recovery and strengthening.

The solution of problems of industrial-innovative development of the country is carried out in the framework of scientific research of the department "Transport and mechanical engineering": "Technological project to create a mobile system for the production, recovery and strengthening of internal working surfaces of products of small diameter", "Creating a mobile complex rehabilitation treadmills wheel sets without their removal from freight wagons", "Development of energy-efficient drive road-building machines with energy recovery fluid flow". One of the main factors contributing to an informed choice on the research priorities of EP is the list of disciplines cycle of PD HF and BD HF current approved job training plans, which subsequently influence the formation of special professional competence and research competence of students.

Material and technical base is allowed to conduct the learning process in the level consistent with the requirements of state standards for higher education.

The uniqueness of the accredited EP is determined by its orientation to the labor market in the region, in particular the availability of production plants. Individual Development Plans of EP due to studying the possibility of building an individual educational trajectory by choosing subjects, taking into account personal preferences and changing needs of the labor market.

When implementing EP its compliance with the requirements of the market ensures a sufficiently high percentage of graduate employment (average 90%), as well as positive feedback from employers who say the graduates of the educational program - the presence of the generated core competencies, knowledge skills of professional and interpersonal communication, personal and general professional competence.

Strong positions of EP:

- EP management, which includes the management of processes through mechanisms of planning, development and continuous improvement;
- in the university all the major business processes are documented, with the allocation of responsibility for their implementation with the division of functions;
- an effective system of information and feedback with students, workers and other interested parties in the activities of the university, with the delineation of responsibilities and deadlines;
- the availability of a modern multi-functional multi-channel information system and database, the use of the Internet, the site of the university, which allows and confirms the openness and accessibility for students, faculty and parents.

Weak positions of EP:

- absence of the document "Development Plan of EP", according to the head, the EP consists of the main strategic documents of the university;
- measuring of the degree of satisfaction with the needs of faculty, staff and students are not at a high level, not fully demonstrate the elimination of deficiencies detected during the implementation of EP.

By this standard the Commission recommends:

- to develop a policy document - "Development Plan of the educational program "Transport, transport technique and technology", with the establishment of deadlines, responsibilities, etc.
- within the Development Plan of EP to provide measurement of the degree of satisfaction with the needs of faculty, staff and students with secure evidence address the shortcomings detected in the implementation of the Plan.

Thus, EEC notes that 9 criteria of this standard have a strong position, 26 criteria - satisfactory, and 2 require improvement.

4.2 Standard «Specificity of Education Program»

The educational program at a high level shows the model of the graduate, who will have the personal qualities, knowledge, skills and competence to satisfy the needs of the labor market. The content, scope, logic of individual educational trajectories of students, the influence of professional disciplines and practices aimed at the formation of the professional competence of graduates.

In the development of EP it's obvious the active involvement of teachers, a representative of employers with their interests and views. It is confirmed at a meeting of the EEC with teachers and employers.

The formation of individual educational trajectories is performed by the procedure PRO NKSU 704-14 Planning of educational process and CED of the specialty, which contained a list of all disciplines at the choice of the component indicating the purpose of the study, executive summary, and expected results of the study.

Planning of educational trajectory (recording on the discipline) is carried out in accordance with the academic calendar. The procedure for recording to the discipline of choice of specialties is organized by registrar department (office) in electronic form, with methodical and counseling departments and advisors. Manual OP provides equal opportunity to study, including, regardless of the language of instruction on the formation of individual educational program aimed at the formation of professional competence.

There is a system for monitoring the progress of students in the educational trajectory and achievement of students. The strengths of EP include the diagnosis of students' knowledge in the training course and study disciplines. To evaluate the knowledge in the current control, the following forms and methods: oral questioning (colloquium), work control, combined survey, protection and presentation of papers, homework, discussions, workshops, round tables and panel discussion on the problematic nature of the tests (open and closed type), essays, semester tasks for independent solution, etc. Information about the results of the interim assessment of the dynamics of absolute and average performance is presented in Table 4.

Table 4 - Dynamics of average absolute performance

| Course | Average absolute performance | | | |
|--|------------------------------|-------------------------|-------------------------|--------------------------------------|
| | 2011-2012 academic year | 2012-2013 academic year | 2013-2014 academic year | 2014-2015 academic year (1 semester) |
| 5B071300 «Transport, transport technique and technology» | | | | |
| 1 | 85 | 86 | 86 | 81 |
| 2 | 90 | 84 | 83 | 87 |
| 3 | 87 | 90 | 83 | 79 |
| 4 | 93 | 85 | 93 | 80 |

The administration of EP creates a mechanism to monitor the satisfaction of students of the university in general and the individual services in particular, the functioning of the system feedback, which includes rapid provision of information on the evaluation of students' knowledge. There is an annual review of the content of curricula and training programs, taking into account current trends in science, changes in the labor market, the wishes of students and teachers. For all educational programs the department has demonstrated the presence of the developed models of graduate educational program, including knowledge, skills, competencies and personal qualities. The analysis of the model indicates a particular EP.

The EEC members conduct meetings with teachers, employers (Costiv Yulia Vladimirovna - Head of Operating department, LLP "Petropavlovsk - Nord"; Glushko

Svyatoslav Alexandrovich - deputy Quality Director of JSC "ZIKSTO"; Burlev Aleksey Vladimirovich - Director IE "Burlev"), graduates of different years (Timohin S.A., Yavarovich M.V., Sapon D.V., Sarsenbayev A.S.), students (16 students) of different courses.

The assessment of the quality of educational programs was based on a review of curricula, the catalog of elective disciplines, EMCD, survey of students and teachers, visiting of classes.

Experts have visited also the Museum of NKSU, computer classes, an observatory, a medical center, a swimming pool, teaching laboratories, a research library, a sports hall, a dormitory.

The OP is systematically provided with discipline training for innovative teaching methods and education planning, including interactive teaching methods, teaching methods with high involvement and motivation of students (games, review of case studies, problem situations, the use of multimedia tools, etc.).

Programs of basic and profile disciplines include modern achievements of science, engineering and technology management in the direction of preparation. On EP 5B071300 "Transport, transport technique and technologies" it's provided training of students on full-time and part-time courses on the basis of general secondary education and on the basis of vocational training (with elements of DET) with a 4-year training. The implementation of the educational program is carried out in Russian. The educational program provides educational trajectories: 5B071302 "Cars and car economy", 5B071303 "Conveyor, building, road machines and equipment". In 2015-2016 academic year it's planned to accept students with the state language within the program "Serpin". As activities to prepare for the admissions in the state language is a trip of the senior teacher Abilmazhinov S.I. to Kyzyl-Orda.

Over the past three years we have been introduced new disciplines. For EP 5B071300 "Transport, transport technique and technology": Calculation of the vehicle structure, through constructive security transport equipment, Engineering Graphics in road transport, road maintenance materials, components and systems Design of construction and road building equipment using computer-aided design, Hydraulic lifting and transport, construction and road building equipment, construction materials and road construction machinery, electronics, electrical equipment construction and track machines, Complex mechanization and automation of loading and unloading, drives and control systems of road vehicles, Lifting, construction and road machines, Handling and warehouse work Continuous action, Basic design and operation of process equipment and road construction machinery, Economics road construction companies and organizations, research methods and calculation of dynamic systems of road vehicles, Technical diagnostics handling machines, Designing of materials handling, construction and road engineering, Mechanical engineering, manufacturing and repair of hoisting and road machines, Mathematical modeling of the main systems of handling machines, Tribotechnology.

There is a balance between the theoretical and practice-oriented disciplines, the name and content of the courses correspond to the actual directions of development of OP. Logical consistency and continuity of development by students of the content of educational programs provided by the system prerequisites and post requisites of disciplines contained in the types of programs and EMCD, CED. But at the same university is not diagnoses students' knowledge at the beginning of the training course and study disciplines.

Logical consistency and continuity of knowledge within EP 5B071300 "Transport, transport technique and technologies" is clear and confirmed by the distribution of disciplines at the rates and levels of education. There are three basic logical chain of EP: operational and technological, operational and engineering and economic. In particular, all the main disciplines of the specialty logically complement each other, constitute the operational and technological chain, which includes the following disciplines: "Device Car" (PD KV - 1, 2 semesters) educational practice (FEB MVA - 2 semester), "Car maintenance materials" (DB HF - 3 semester), practical training (FEB EDP - 4 semester), "Fundamentals of design and operation of

process equipment" (PD HF - 5th and 6th semesters), "Fundamentals of the technical operation of transport equipment" (PD - 6 semester), practical training (FEB EDP - 6 semester) "Maintenance and diagnostics of automobiles" (DB HF - 7 semester), "Fundamentals of technology of production and repair of transport equipment"(PD HF - 7 semester).

Finally, a set of knowledge gained in the study of these disciplines EP 5B071300 "Transport, transport technique and technology" will allow graduates: to have an idea about the main trends in the operating conditions of transport equipment; know the construction of transport equipment, methods, engineering calculations, and engineering and management decision-making; be able to identify particular conditions of design, manufacture, operation and modes of transport equipment; have the skills to use techniques and instruments of research, application of the basic regulations for the operation of the transport machinery and equipment; own methods of technical control in the conditions of the current production; Know rational methods of finding and using scientific and technical information; be competent in the design, choice of rational modes of operation and repair of transport machinery and equipment.

Strong positions of EP:

- EP demonstrates continuing support at various levels of Bachelor, sequential logic interrelation of disciplines;
- orientation of educational programs to the developed model of graduate;
- carrying out of diagnostics of students' knowledge at the beginning of the training course and study disciplines.
- the current set of analytical information "Electronic administration" allows the university to systematize and automate the educational process;
- employers are involved in the design, implementation and represent the interests and views in the development of EP;
- the presence of a branch of the department on the basis of LLP "Partner-Auto" to participate directly and systematically in training of specialists; conducting of lessons in manufacturing and production practices on basic facilities according to the contract (practical training, laboratory work, excursions, industrial and technological practices).

Weak positions of EP:

- a small involvement of stakeholders (Kazakhstani and foreign universities) in the formation of joint educational programs with leading Kazakh universities;
- the absence of diagnostics of students' knowledge at the beginning of the training course in the implementation of EP.

By this standard the Commission recommends:

- to develop cooperation with the leading universities of the Republic of Kazakhstan and foreign universities for the development of joint educational programs, joint research, the organization of academic mobility of students and staff of the university;
- to ensure the involvement of domestic and foreign research institutions to the educational process;
- to provide for procedures of diagnostics of students' knowledge at the beginning of the training course in the implementation of EP.

Thus, EEC notes that 6 criteria of this standard have a strong position, 24 criteria - satisfactory, and 3 require improvement

4.3 Standard «Faculty and Teaching Efficiency»

The teaching staff is a major resource for the university's mission. In this regard, the university attaches great importance to the process of selection and training of personnel. Personnel policy is carried out in accordance with the basic priorities of the strategy of the university.

The selection and preparation of the faculty include: defining the requirements for the faculty, the search and selection of candidates for vacant positions, the presence of the probationary period for new employees, performance assessment, continuous training of teaching staff and the spread of the experience between the employees and so on. Activity in this area is regulated by internal regulatory procedure PRO NKSU 601-14 Personnel Management, PRO NKSU 602-14 Professional development. Recruitment is based on the analysis of the needs of the educational program, the results of which declares a contest for vacancies in accordance with the "Rules of the competitive replacement of posts of teaching staff and researchers of higher education institutions" approved by the MES of the RK.

The qualifications of teachers, their quantitative composition are relevant to the directions of training of students of the accredited EP, meet licensing requirements. Qualification requirements for teachers are defined in job descriptions, regulations on subdivisions, documented by procedures of the QMS.

The educational process on the specialty 5B071300 "Transport, transport technique and technology" is provided by 24 full-time teachers, including 16 candidates of technical sciences and 1 PhD. 1 Dr. PhD. The percentage of faculty with academic degrees and titles is 70.8%.

9 full-time teachers provide the learning process on 5B071300 "Transport, transport technique and technology" directly on the department "Transport and mechanical engineering". 4 of them are Candidates of technical science - Savinkin V.V., Tomashets A.K., Zhakupov M.A., Demyanenko A.V.

The department "Transport and mechanical engineering" practices to attract leading experts in the field of MOT, diagnose, repair and maintenance of transport equipment, standardization and certification of transport, environmental problems in the transport infrastructure to the implementation of EP. Participation of invited experts is carried out in the form of: training sessions, presentations at scientific seminars, conferences, as reviewers and the Chairmen of the SAC:

- Rahimov B.K., director of LLP "Partner-Auto" - lecture on the subject "Organization of road traffic";
- Ozenkovsky V.A., Head of the department "Road transport" Kazakhstan-Russian University (CRU) - lecture on the subject "Technical exploitation of cars";
- Glushko S.A., Deputy Quality Director of JSC "ZIKSTO" - lecture on the subject "Licensing and Certification»;
- Bekmukhambetov B.A., director of LLP "Baira" - lecture on the subject "Professionally-oriented Kazakh language";
- Georgian V.V., Ph.D., Professor, Department of Computer Science and Software of JSC S.Seifullin Kazakh Agro Technical University;
- Ponamorenko Y.E., Ph.D., Deputy Vice Rector for Research and External Relations of Siberian State Automobile and Highway Academy, Omsk, the Russian Federation;
- Korneev S.V., Ph.D., director of the Institute of Petrochemical, Omsk State Technical University, Omsk, the Russian Federation;

As part of EP 5B071300 "Transport, transport technique and technologies" four people of well-known, social, political, honored scientists, who involved as teachers, researchers, employees are:

1. Kiselev L.A., director of LLP "Remplazma" – has the title of Honorary Inventor of the USSR and in 2013 awarded an honorary inventor of the Republic of Kazakhstan.

2. Permyakov V.B., Professor of SibADI, honored worker of science of the Russian Federation.

3. Tukachev A.A., Dr. PhD, deputy director of production LLP "Multi-plant equipment" of the RK.

4. Kuznetsov V.N., Professor of SibADI, Omsk, the Russian Federation.

Planning the work of the teaching staff is realized in accordance with PRO NKSU 704-14 "Planning the learning process" and PP NKSU 02 "Regulations on the norms for calculating the volume of educational work carried out by the faculty of the NKSU named after M. Kozybayev". The average annual load of the teaching staff is approved by the Academic Council of the university. Individual plan is formed by the teacher in the system IACUM "Electronic administration" separately for each occupied rate (full, partial-mix). The site has information about university personnel potential, providing EP of all specialties.

Research work is also determined by the priorities of the teaching staff programs that forms the MES of the RK in accordance with the long-term program of socio-economic development of the state. As previously stated, the solution of problems of industrial-innovative development of the country is carried out in the framework of scientific research "Transport and engineering", "Technological project to create a mobile system for the production, recovery and strengthening of internal working surfaces of products of small diameter", "Creating a mobile complex rehabilitation racetracks wheel sets without their removal from freight wagons", "Development of energy-efficient drive road-building machines with energy recovery fluid flow". An important element in the successful implementation of EP and improve the ranking of specialties department, is the attraction to the educational process known in the country and the region, scientists, public figures. For example, Kenzhetayev L.D., director of the Kazakh Institute of Standardization for NKO, Aytanov B.A., Head of the Department of State Management Oversight Committee for Technical Regulation and Metrology of MINTRK RMS (highlighted issues of licensing and certification of transport, licensing of dangerous goods) involved for scientific seminars and conferences. Teaching of the section "ecology in transport", consultations under the heading "Health and Ecology" on the EP is carried out by inviting the known public figure of NKO in ecology and environmental protection Beletskaya N.P.

To implement EP 5B071300 "Transport, transport technique and technologies" such famous scientists as PhD Nikiforov A.V.; Professor, Honored Worker of Science of OmSTU Popov A.Y.; Director of Engineering College of Petropavlovsk Furmanyuk A.P. were attracted.

As part of EP 5B071300 "Transport, transport equipment and technologies" teachers perform scientific research on priority areas of research of the department "Transport and engineering", "Improving the efficiency of road building and industrial machines tech methods"; "The methods and technologies of nondestructive testing"; "Study of the maximum allowable depreciation and recovery methods crankshaft ICE road machines tech methods"; "Improving the physical and mechanical properties of the surfaces of the parts recovered plasma technology". The results of research priority areas of research implemented by the Department of "Transport and mechanical engineering" have a wide range of applications in manufacturing. For example, the results of research toward the recovery has been developed the technology of hardening and improving the physical and mechanical properties of parts with highly concentrated plasma energy sources. His development of this technology is found in engineering (this method suggested to restore the surface of the critical parts of complex shape). Thus in 2015 the department "Transport and mechanical engineering" won research grants: "Development and implementation of energy-efficient technology of restoration of the complex geometry of the blades of steam and gas turbine CHP highly concentrated source of energy of the plasma with an adaptive process control system" (grant of the MES, №274 from 12.02.2015).

The teaching staff of the department "Transport and mechanical engineering" is actively introducing scientific achievements into production and the learning process, as evidenced by the acts implementing the results of scientific research (8 acts): "The introduction of the scheme for the harvesting and transportation of grains", LLP "Ulguli" 14.05.2014; "Development of measures and recommendations to improve traffic safety in conditions STO "Nursat" of Esil region of NKO", IE "Ramazanov", 2013; "Method for determining the optimal parameters of the working equipment hydraulic drive road cars", SU-808, 2013; "Methods of calculating the effective performance of the hydraulic drive of working body digger", SU-808, 2013; "Technical documentation for the improvement of the working body digger to reduce the energy costs of the process", SU-808, 2012; "Analysis and development of organizational and technical measures improve the quality of repair of vehicles under the company" IE Khodykin", 2012; "Methods of calculating the actual loss of crops during harvesting operations relative standard", "UDACHA", 2012; The introduction of technological equipment "Four-post electro-mechanical lifts with platforms for PL15 TS-2 and CO", LLP "Novomikhailovskoye - 2003", 2012 (Table 5).

Table 5 - Implementation of research results in the production process

| № | Name of the application | Organization | Date |
|---|---|--|------------|
| 5B071300 «Transport, transport equipment and technologies» | | | |
| 1. | Driving the collection and transportation of grain, using cranes during the harvest in LLP "ULGULI" | LLP "ULGULI" | 14.05.2014 |
| 2 | "Development of measures and recommendations to improve traffic safety in conditions STO "Nursat" of Esil region of NKO" | IE «Ramazanov» | 14.05.2013 |
| 3 | "Method for determining the optimal parameters of the working equipment hydraulic drive road cars " | LLP SU-808 | 14.05.2013 |
| 4 | "Methods of calculating the effective performance of the hydraulic drive of working body digger" | LLP SU-808 | 14.05.2013 |
| 5 | "Methods of calculating the actual loss of crops during harvesting operations relative standard" | KB «UDACHA» | 2012 |
| 6 | The introduction of technological equipment "four-post lift electromechanical platform PL 15 to TO-2 and CO" | LLP «Novomikhaylovskoe – 2003», | 2012 |
| 7 | "Analysis and development of organizational and technical measures improve the quality of repair of vehicles under the company IE " Khodykin" The introduction of technological equipment diagnostic plot ICE proposed equipment combined with the process of repair | IE "Khodykin" | 2013 |
| 8 | "The introduction of "RFID" identifying transport | LLP "Auto transport enterprise of NortKazEnergy" | 2013 |
| 9 | "Technical documentation for the improvement of the working body digger to reduce the energy costs of the process" | LLP SU-808 | 2012 |
| 10 | Post diagnosis of lighting fixtures vehicles offered equipment | IE «Ramazanov» | 2013 |

The results of the research work were exhibited at 2 (regional, university) exhibitions, 4 patents:

- Supported patents - 3:
 1. Plasma coating metals. Patent № 2007.1729.1 from 11.12.2007. Savinkin V.V. (KZ); Candidate of technical sciences Tomashets A.K., Ph.D. Nurakov S.N.
 2. Device for hydraulic power washing the car. Patent number 20784, 2008, senior teacher Derman A.L., teacher Kulataev S.A., Candidate of technical sciences, Associate Professor of the department "Transport and mechanical engineering" Savinkin V.V.;
 3. Device for loosening nuts and pivoting of tugosidyaschih. Patent number 20669, 2008, senior teacher Derman A.L.
- newly received - 1:
 1. A utility model patent "Inertia cylinder effective action» № 141434 from 28.04.2014. The patentee of VPO "SibADI" Omsk, Russian Federation. Authors Kuznetsov V.N., Savinkin V.V.

The teaching staff provided EP annually participates in international and national scientific conferences held both in Kazakhstan and abroad (Russia, Bulgaria, the USA, Poland, Israel).

Over the last three academic years teachers published 110 scientific articles in scientific journals and Conference Proceedings (Table 6).

Table 6 - Indicators of scientific research of the teaching staff

| Type of publication | 2011-2012 | 2012-2013 | 2013-2014 |
|--|-----------|-----------|-----------|
| Department «transport and mechanical engineering» | | | |
| Training and teaching aids recommended by MES | 3 | 4 | 4 |
| Teaching aids and guidelines | 10 | 5 | 3 |
| Articles with non-zero impact factor | | - | 2 |
| Articles recommended by KKSON (WAC) | 5 | 5 | 4 |
| Articles published in scientific journals (foreign edition) | 2 | | |
| Articles published in scientific journals (republican editions) | | 1 | 2 |
| Articles, theses in collections of conferences and other scientific events (foreign edition) | 4 | 6 | 6 |
| Articles, theses in collections of conferences and other scientific events (republican editions) | 27 | 17 | 29 |

The department "Transport and mechanical engineering" annually organizes and conducts scientific-practical conferences of different levels. For example, such as:

- International scientific-practical conference "Actual issues of energy efficiency and new technologies in Science and Education of the Republic of Kazakhstan" NKSU, December 22, 2014, Petropavlovsk;
- International round table "Topical issues of training of engineers in the framework of the Bologna process" in the International scientific-practical conference "Actual issues of energy efficiency and new technologies in Science and Education of the Republic of Kazakhstan" NKSU, December 22, 2014, Petropavlovsk.
- International scientific-practical conference "Kozybayev readings - 2014: Kazakhstan's role in the integration of Eurasian space" NKSU, 14 November 2014, Petropavlovsk;
- Student Conference, dedicated to the motorist, 24 October 2014; International Student Scientific-practical conference "Youth and Science - 2014" NKSU March 14, 2014;
- Regional scientific-practical conference "Engineering: technical achievements and prospects", NKSU September 26, 2013;
- Teaching scientific and practical conference devoted to the Day of Science of the Republic of Kazakhstan, the NKSU April 23, 2013 and etc.

The teaching staff of the department "TiM" is actively involved in international activities (seminars, forums, conferences, exhibitions, etc.). Namely:

1. International Investment Forum «KYZYLZHAR INVEST 2014», 28 November 2014, NKSU named. M. Kozybayev, Petropavlovsk. Savinkin V.V. made a speech at the plenary session on "Transport and logistics center in Kazakhstan in terms of creating the EAEC". Topic: "The development of the logistics concept in the activities of the transport industry."

2. The seminar on the program «LabVIEW data acquisition systems," the company «National Instruments Russia Corporation», November 2014., Moscow, Russian Federation. Demyanenko A.V. with certificate.

3. Seminar on "Fundamentals of Technology Commercialization" 08-09.09.2014, Petropavlovsk. Organizers of LLP "Technology Commercialization Center" MES and the US Civilian Research and Development «CRDF Global». The seminar was attended Demyanenko A.V. with certificate.

4. The invitation of foreign scientists. In December, 2014. Popov A.Y. (Ph.D., professor of the Omsk State Technical University, head of the department "Metal-cutting machines and tools") gave lectures to students of "Transport, transport equipment and technology" and "Engineering" on the themes: "Sharpening tools. Abrasive Tools", "Technologies of repair and recovery by mechanical action" and "Large knurled thread".

The staff of the department has been actively involved in the publication of articles in international journals, as well as recommended by the Higher Attestation Commission of the Russian Federation and the Republic of Kazakhstan. For example, the scientific community «PROSPERO» g. Kiev, scientific journal recommended by the HAC RF SDM Moscow, scientific journal, recommended HAC RK "researcher" in Astana, etc.

During the 2010-2014 period teachers of the department "Transport and mechanical engineering" developed and implemented in the educational process of training and 29 training manuals, guidelines. The most important teaching aids are, for example, the following: TPC "Maintenance and Diagnostics transport road-building equipment," Ph.D., Associate professor Savinkin V.V. (2014); TPC "Organization of road transport", Master, the senior teacher Derman A.L. (2014); TPC "Dynamics of transport equipment", Ph.D., Associate professor Savinkin V.V. (2013); guidelines for course work on discipline "Automated control systems in transport", Ph.D., professor of NKSU Tomashets A.K. (2012); TPC "Fluid Mechanics, Hydraulic and pneumatic», Master, the senior teacher Kolisnichenko S.N. In 2015, Ph.D, Associate professor of NKSU named after M. Kozybayev Savinkin V.V. and Professor of SibADI Kuznetsov V.N. published the monograph "Study of energy efficiency parameters shovels" in the Publishing Center of SibADI, Omsk, the Russian Federation. In NKSU it's developed a system of training, professional and personal development of the teaching staff. Good practice is expanding of the forms of teachers' training (PD courses, internships, seminars, trips to near and far abroad).

Status moral and psychological climate in the departments is characterized by its stability, creative attitude to their duties. The level of labor and executive discipline is at the proper level.

Monitoring of teachers' activity is done in the following way: the functioning of the system of rating of teachers (see The report on self-assessment by the standards of institutional accreditation, section 5, "The teaching staff and teaching effectiveness"); comprehensive assessment of the teacher with the participation in competitions for vacant positions; monitoring of the implementation of individual plans in IACUM "Electronic administration"; organization of classes visiting according to PRO NKSU 708-14 Quality Control; annual report of teachers and its approval at the department; statistical analysis of the results of assessment in IACUM "Electronic administration"; system of students' survey.

The high level of teaching staff, compliance with the qualification requirements, the level and specificity of EP support the view of students at the EEC survey (Table 7).

Table 7 - Results of the questioning students about the quality of teaching staff

| Statement | Full Agree | Agree | Partly agree | Disagree |
|---|-------------|------------|--------------|----------|
| 1. The course was well presented | 62 (87,3%) | 8 (11,3%) | 1 (1,4%) | |
| 2. The course content is well structured | 60 (84,5%) | 10 (14,1%) | 1 (1,4%) | |
| 3. Key terms sufficiently explained | 60 (84,5%) | 10 (14,1%) | 1 (1,4%) | |
| 4. The actual material is taught | 58 (81,7%) | 10 (14,1%) | 3 (4,2%) | |
| 5. The teacher uses effective teaching methods | 58 (81,7%) | 12 (16,9%) | 1 (1,4%) | |
| 6. The teacher has taught material | 63 (88,7%) | 7 (9,9%) | 1 (1,4%) | |
| 7. Clear exposition of the teacher | 61 (85,9%) | 7 (9,9%) | 3 (4,2%) | |
| 8. The teacher presents the material in an interesting way | 60 (84,5%) | 7 (9,9%) | 4 (5,6%) | |
| 9. Teacher meets my requirements personal development and professional training | 59 (83,1%) | 10 (14,1%) | 2 (2,8%) | |
| 10. The teacher encourages students activity | 58 (81,7%) | 12 (16,9%) | 1 (1,4%) | |
| 11. Teacher encourages creative thinking of students | 59 (83,1%) | 10 (14,1%) | 1 (1,4%) | 1(1,4%) |
| 12. The appearance and manner of a teacher are adequate | 60 (84,5 %) | 10 (14,1%) | 1 (1,4%) | |
| 13. The teacher takes a positive attitude toward students | 63 (88,7%) | 8 (11,3%) | | |
| 14. Continuous assessment (seminars, tests, questionnaires, etc.) reflects the content of the course | 61 (85,9%) | 10 (14,1%) | | |
| 15. Evaluation criteria used by the teacher, clear | 61 (85,9%) | 10 (14,1%) | | |
| 16. Teacher objectively assesses the achievements of students | 58 (81,7%) | 12 (16,9%) | 1 (1,4%) | |
| 17. The teacher has a professional language | 60 (84,5%) | 11 (15,5%) | | |
| 18. Organization of Education provides sufficient opportunities for sports and other leisure activities | 58 (81,7%) | 11 (15,5%) | 2 (2,8%) | |
| 19. Facilities and equipment for the students are safe, comfortable and modern | 60 (84,5%) | 8 (11,3%) | 3 (4,2%) | |
| 20. The library is well equipped and has quite a good collection of books | 60 (84,5%) | 11 (15,5%) | | |
| 21. Equal opportunities are provided to all students | 61 (85,9%) | 10 (14,1%) | | |

Mechanisms to promote the professional and personal development of faculty and staff are faculty ranking system to provide further financial support when summing up each semester.

Unfortunately, the university is not set at a high level organizational work on academic mobility of foreign and local teachers and involvement of known scientists, public and political, honored figures to the implementation of EP.

The strong position of EP is that the site of the university, which is available to the public, has information about the teaching staff, achievements, profiles and directories of the teaching staff.

Weak positions of EP:

- insufficient involvement of the best domestic and foreign scientists, teachers to the implementation of EP, joint research in the implementation of EP;
- insufficient involvement of known scientists, public and political, honored figures to the implementation of EP.

By this standard, the Commission recommends:

- to consider the issue on the motivation of teaching staff for the publication of scientific articles in journals with high impact factor;
- to develop a form of academic mobility and international cooperation with partner institutions;
- to expand the geography of universities for cooperation and academic mobility and scientific training of teaching staff;
- to involve actively known scientists, public and political, honored figures to the implementation of EP.

Thus, EEC notes that 1 criterion of this standard has a strong position, 18 criteria - satisfactory, and 2 require improvement.

4.4 Standard «Students»

Admission and access to learning for accredited EPs are realized in accordance with the regulations of the Ministry of Education and Science of the Republic of Kazakhstan (Government Decision №114 from 19.01.2012 "On approval of the standard rules of admission to educational organizations that implement professional training programs higher education").

Information about the contingent of students is presented in Table 8.

Table 8 – Contingent of students on the accredited program

| Academic year | Study form | All students | Learning on the grant | Learning on a paid basis | Learning in Kazakh language |
|---|------------|--------------|-----------------------|--------------------------|-----------------------------|
| 5B071300 - «Transport, transport technique and technology» | | | | | |
| 2012/2013 | Full-time | 81 | 62 | 19 | 1 |
| | Part-time | 22 | 0 | 22 | 1 |
| | Total | 103 | 62 | 41 | 1 |
| 2013/2014 | Full-time | 66 | 46 | 20 | 1 |
| | Part-time | 25 | 0 | 25 | 0 |
| | Total | 91 | 46 | 45 | 1 |
| 2014/2015 | Full-time | 59 | 39 | 20 | 0 |
| | Part-time | 24 | - | 24 | 0 |
| | Total | 83 | 39 | 44 | 0 |

One of the strengths of the University Commission notes the development of policies in the educational process and the availability of information materials for students. As a source for obtaining the operational network of electronic teaching materials of disciplines working curricula, information on the progress of students actively using IAKUV "Electronic administration", ACS "Electronic timetable", Electronic Library of NKSU, distance learning system eLearningNKZU, system network testing WEB- test.

For students placed "Directory and Guide" with information about the educational process: the basic concepts of the loan program, the rules of the educational process, the procedure for evaluation of knowledge in the university, order the transfer to the next course, the elimination of academic debt, transfer to another school, recovery charges, of academic leave, etc.

In the development of educational programs at the University consider the views of the students. It conducted a survey of students to assess the quality of teaching staff and educational activities on issues of corruption. The department has the tradition to invite the students to a meeting of the department. Students are included in the Board of the Faculty of ITF,

Dzhambisova is the union organizer of ITF, Galiev B. is the Chairman of the ITF Student Council.

Promotion of students in educational trajectory is tracked through modules IAKUV "Electronic administration". With the purpose of monitoring the results of training by the head of the department the following functions are available: viewing of selected disciplines and teachers by students; review score of a particular student; viewing results on the boundary control groups in the whole department; monitoring of rating teachers; view statistical analysis boundary control; View detailed or summary results of the practice; view summary information about employment; students view academic debts specialties of the department; viewing results attestations student group; view ratings and other graduates of the department.

Feedback through boxes of complaints and proposals of students who are placed in the foyer of NKSU buildings that are opened every month the Commission for review of complaints and suggestions, as well as through blogs of the rector, vice-rector for directions and heads of departments.

The university formed student government, plays an active role in addressing issues of student life. The university set up and operate student organizations such as the Committee on Youth NKSU named after M. Kozybayev, primary trade union organization of students NKSU named after M. Kozybayev, Alliance Students NKSU named after M. Kozybayev. Through these organizations realized the possibility of real communication for student exchange and expression. Information on the activities of these organizations and contact information posted on the official website of the university in the "Student Life".

Students and graduate students are actively involved in the management of educational programs. The collegiate bodies of the university necessarily included students and representatives of the student government. The Board of Trustees includes the chairman of the student union committee of NKSU named after M. Kozybayev. A full-fledged member of the Academic Council of the Faculty is the chairman of the Youth Committee and the chairman of the student union committee.

There is a system for the promotion of educational achievements of students in the university. Students have the opportunity to receive a scholarship of the oblast akim, scholarship of the rector and students training on a contractual basis on the results of the session transfer to the vacant state grants and get scholarships.

The university maintains constant contact with alumni. Proof of the success of EP is achieving graduates. Below are the achievements of graduates of different years of manufacture of EP (Table 9).

Table 9 – Achievements of graduates of EP «Transport, transport technique and technology»

| 5B071300 «Transport, transport technique and technology» (280540 «Automobiles and automobile economy») | |
|---|--|
| Makov V.P. | Head of the Department of Transport and Control |
| Zadorozhaya O.G. | Chief of Bus Station |
| Makhmetov K.K. | Head of the Engineering-technical faculty of NKSU named after M.Kozybaev |
| Abugaliev E.B. | Head of Transport and Control department |
| Sarsenbaev R.K. | NSC RK, Head of the department |
| Karamguzhinov A.ZH. | NSC RK, senior officer |
| Furmanyuk A.P. | Director Petropavlovsk engineering college |
| Baytuyakov M.B. | NSC RK, Head of regional department |
| Esenalin R.B. | Head of Sport and Tourism of NKO |
| Solenoy D.A. | deputy director of the production quality of the plant |

| | |
|----------------|---|
| | thermal units Almaty |
| Sheshena Ya.A. | deputy director of the economic part of the SP "Perepelitsa" |
| Glushko S.A. | Deputy Director of Quality of "ZIKSTO" |
| Zenchenko I.G. | Chief Engineer komandatnogo partnership "Zenchenko and K" |
| Savinkin V.V. | Head of the Department "Transport and engineering" of NKSU named after M.Kozybaev |
| Gordina Yu.V. | Chief of operating department of LLP "Nord" |
| Masksat B.K. | Coordinator - Expert of Ministry of Investment and Development |

Research work of students is part of the training of specialists at the university and performed by: organization of the SSS high school; student participation in research activities under the main themes of research of NKSU (experiments on the basis of scientific research institutions of the region, field studies, joint research plan research laboratories, and other grant activities.) preparation of special projects and dissertations; participation in funded research projects and programs; participation in mass scientific activities at various levels (conferences, seminars and "Days of Science" and others.); participation in competitive research activities (contests, competitions, exhibitions, etc.).

Students of educational programs annually participate in university and republican competitions of scientific works (Table 10).

Table 10 - The number of students' contest works

| Educational program | 2011/2012 academic year | 2012/2013 academic year | 2013/2014 academic year | 2014/2015 academic year 1 term |
|--|--------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| 5B071300 «Transport, transport technique and technology» | 7 | 8 | 11 | - |

One of the most important indicators of student research are scientific publications. Students publish articles prepared as a partnership with the teachers, as well as individually. The results of the research activities of students are reflected in the annual reports for SRW in the MES, they are discussed at the meetings of the Academic Council, Rector, SSS. Information about the dynamics of scientific publications students is presented in Table 11.

Table 11 – The number of students' research publications

| Educational program | 2011/2012 academic year | 2012/2013 academic year | 2013/2014 academic year | 2014/2015 academic year |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 5B071300 «Transport, transport technique and technology» | 6 | 7 | 9 | 5 |

Reducing the number of competitive papers and publication activity leaders of EP explained by the fact that the undergraduate student body in recent years is declining.

According to the results of the Republican contest of SRWS 2 competitive student works were awarded with diplomas of III degree in 2012:

1. Abiyeva A.A., the student of the group OPDE-08. Theme: "Methods and models of motor planning and execution of works", supervisor - Ph.D., Professor Tomashets A.K., Diploma of the degree III of the MES.

2. Askerov A.Z., the student of the group TR-08. Theme: "The requirements for windows and systems of cleaning windows and headlights of modern cars with the development of design tools used for applying the adhesive layer with the pasted glasses", supervisor - Senior Lecturer, Department "TiM" Abilmazhinov S.I., Diploma of the degree III of the MES.

The process employment is implemented at a high level. The heads of graduate departments on the basis of the overall plan of the department of organization and planning, based on the list of graduates planning measures for their employment, as reflected in the work plan of the department. Members of the Commission revealed that during the last 3 years, the percentage of employed graduates of accredited educational programs, students on grants and on a fee basis, reached an average of about 90%.

Graduate departments compulsorily spend the curator hours on the employment:

- in the first year - to familiarize students with the capabilities of students for future employment in the chosen specialty;
- in the final year of study - to identify graduates in need of employment, and become familiar with the regulations on the employment of graduates studying at the state educational grants. Successfully implemented the project "With diploma - to the village!". The allocation of attention is paid graduates enrolled in the state educational grants (rural quota). According to OP considered in the past three years, the percentage of employment of 100% (Table 12).

Table 12 – Indicators of graduates’ employment

| Academic year | Number of graduates | | | Number of graduates, who have a job | | |
|--|---------------------|-------|--------------|-------------------------------------|-------|--------------|
| | total | grant | on paid base | total | grant | on paid base |
| 5B071300 «Transport, transport technique and technology» | | | | | | |
| 2011/2012 | 25 | 22 | 3 | 25 | 22 | 3 |
| 2012/2013 | 21 | 21 | 0 | 21 | 21 | 0 |
| 2013/2014 | 18 | 13 | 5 | 18 | 13 | 5 |

In NKSU practice has been to support close ties with alumni, the conditions for the functioning of the alumni community. Contact with alumni supported through negotiations, correspondence, meetings and e-mail, as well as the survey of graduates of the current year and previous years. Analysis of satisfaction with their employment of graduates is carried out on the basis of survey of graduates of past years. Contact with alumni activities organized by university alumni association, the formation of a database of graduates, the annual holding of the Forum of graduates. There are reviews of employment of graduates.

Gifted students are actively involved in the public life of the university, the area, have priority in the awarding of scholarships, awards, benefits. For example, some students have been awarded scholarships named after the president of the Republic of Kazakhstan 1 student grant and student rector 2.

On the training of students on the OD at a high level confirms the results of the survey. The survey of the teaching staff on students' knowledge according to received them in the high school, the realities of the modern requirements of the labor market 51.3% ROE rated as "very good", 43.6% good.

Strong position of EP:

- high-level operating system of feedback, which includes the rapid provision of information on the results of studying the attendance of training sessions and assessment.

Weak positions of EP:

- lack of capacity of external and internal academic mobility of students and teaching staff (the opportunity to study for some time in other local and foreign institutions of higher education, academic exchanges faculty members) the absence of a clear mechanism for the recognition of the results of academic mobility of students.

By this standard, the Commission recommends:

- to raise awareness among students about the decisions of collegial bodies on the management of EP;
- to create conditions for professional certification of students in the area of specialization in the learning process;
- to expand the geography of universities for cooperation and academic mobility of students and faculty with the development of a mechanism for the recognition of the results of academic mobility of students;

Thus, EEC notes that 1 criterion of this standard have a strong position, 10 criteria - satisfactory, and 4 require improvement.

4.5 Standard «Resources Available to Education Program»

The infrastructure of the university is a single complex, which has the status of campus and includes 9 educational buildings, observatory, swimming pool, training and production complex "Miras", agrobiostation, 3 comfortable hostels for 1026 seats and 72-apartment building for employees. The total area of the exploited buildings is 83,965.8 m², including classrooms - 65898.2 m². Teaching and laboratory facilities and classroom fund corresponds to the number of students and implemented educational programs. Per student given to full-time training contingent accounts for 17.9 m², which corresponds to sanitary norms. In general, 336 classrooms, of which 136 specialized and educational laboratories, are involved in the educational process.

Teaching and laboratory facilities and classroom fund corresponds to the number of students of the implemented EP, sanitary-epidemiological norms and requirements. In general, laboratory and practical work to date introduced 37 real-virtual laboratories on 516 seats. At the University there are 3 multimedia interactive audience, on the basis of which a system of Web-conferencing. This allows you to hold lectures for 550 students at the same time.

Given the importance of the use in the educational process of innovative teaching methods in high school used 66 multimedia complexes, including 10 interactive complexes EIKI 2600. For the record video lessons, webinars, the development of electronic materials for teachers and students remote technology has tutor class for 10 seats.

Departments of the library are located in the four educational buildings of the University and occupy an area of 2569 square meters. The structure of the library complex includes 77 subscriptions and reading rooms with 400 seats, including 135 computerized places. In addition, the University signed an agreement with GFR of "RSTL", according to which students and undergraduates have the opportunity to use the services of reading rooms with 450 seats.

The university has 16 computer classes with 190 seats. For the study of Kazakh and foreign languages are four multimedia language laboratories with 47 seats. For the organization of innovative forms of training are widely used in the learning process of multimedia technology for this in high school equipped with 39 classrooms with interactive whiteboards and stationary multimedia projectors - 9 audiences.

The university operates a health center, which provides free medical care of students, university employees, retirees and veterans of the university. In the health center reception is carried out by physicians in the following specialties: general practitioner, gynecologist, otolaryngologist, ophthalmologist, cardiologist, urologist, physician ultrasound diagnosis, the

doctor of functional diagnostics (ECG, echocardiogram). There physiotherapy and treatment room. Medical equipment health center is estimated at more than 30 mln. Tenge.

The University has a modern sports base, which is used for both academic and self-employment. The database includes training complex with a swimming pool, comprising: a modern gym and swimming lanes of 50 meters; three gyms, gym fight, weight-lifting room, a ridge and a ski resort, open sports ground for mini-soccer 1500 m².

The university built an observatory with planetarium, which was created on the basis of scientific and educational Center for Astrophysics, equipped with 0.77 m telescope, electronic positioning system and remote control system and data collection (the second largest telescope in RA).

Library fund the university has on 01.01.2014, the - 1,122,644 copies., Of which the scientific literature of 136,989 copies. (12%), training - 936 450 copies. (84%), art - 49205 copies. (4 %). OPAC has 219,031 bibliographic records. Given the relevance of the scientific periodicals in 2014 subscribed to 428 titles of magazines and newspapers, of which 132 - in the Kazakh language and 6 - in foreign languages. Description and dynamics of total library fund in detail presented in the report on self-assessment by the standards of institutional accreditation (Section 9, "Resources: logistical and information").

To provide instructional literature, documentation blanks functioning printing press with modern equipment. Public events are held in four assembly halls, equipped with sound and lighting equipment. All the structural units of the university, deans, university departments and laboratories are provided with computers.

The university provides access to a large number of students a structured, organized information on readable disciplines - presentation materials, lecture notes, required and optional literature, practical tasks. This is done primarily through e-library NKSU named. M. Kozybayev, access to which is organized on the site of the university. The control system electronic educational content is a proprietary institution and operates since 2005. The system solves the whole complex of tasks, from ordering, centralized, efficient management, and provide a convenient and quick search of the necessary electronic teaching materials to generate various statistical reports.

Access to the Digital Library is organized by faculty in the context of educational programs. Electronic materials are covering all programs, courses and disciplines. At the moment, the content of electronic library of educational materials is 19312. Implemented also search for materials by parameters: Chair, discipline, keywords, language, type of material, registration identification number, date of approval or update size. The system is available monitoring student attendance, performance, and security departments of the educational programs, the demand for materials. This showgirl allows you to control the issue of security of students teaching materials, as well as assessing the quality and relevance of materials. Structured materials on readable disciplines available to students also in the departments and UMKD presented in the library of the university.

The official website of the University www.nkzu.kz in the "Digital Library" contains links to electronic resources: "The Republican Interuniversity Electronic Library" (RMEB), "Kazakhstan National Electronic Library" (KNEB), "Scientific Library of NKSU", "Books of Department of Rare Collection" and "POLPRED Directories" and "DEC Publishing Lan", "NKSU named after M. Kozybaev in the press", "Statistics SKO" that provides access to full-text publications on scientific and academic areas of the university.

NKSU named after M. Kozybayev is connected to electronic educational resources of the world's leading publishing and printing houses, including the ISI Web of Knowledge (company Thomson Reuters), Science Direct, SCOPUS, etc. (access granted NCSTI JSC, Almaty). This enables students, undergraduates and faculty of the university to get acquainted with the results of research by leading foreign scientists, in contact with them, to participate in international

research projects to study scientific papers (monographs, articles), published in the leading journals of rating.

The training process uses modern equipment meeting the requirements of operational safety. Questions operation, maintenance and repair of equipment is regulated by the document PRO NKSU 606-14.

To implement the EP 5B071300 "Transport, transport technique and technology", in the study subjects "Power installations of transport equipment", "Maintenance and diagnostics of cars" it's used laboratory "Internal combustion engines", which provides specialized stands, maintenance and diagnostics of internal combustion engines, such like: LAUNH, "The injection system engine power" integrated learning system "Internal combustion engines" with the appropriate software. There are laboratory "CAD in road transport", laboratory "MOT and vehicle diagnostics", there are three real-virtual laboratories.

An important role in the implementation of EP 5B071300 "Transport, transport technique and technology" play lab "Traffic safety" and "Electronic, electrical equipment for cars", where the main visual aids, stands, simulators are used to study the safe operation of the road, the foundations of the study electrical processes occurring systems and other electrical equipment. Each has a scientific laboratory development program, which includes technical issues, information and methodical direction and target indicators, sources and amounts of funding. Each faculty also developed a program of training laboratories of the faculty.

Regularly monitor problems on and carried out the order book providing new literature. In the last two years with the introduction of multilingual education is made an order for the OP literature in English. Information about the Book Supply of EP is presented in Table 13.

Table 13 - Book supply of EP

| № | Educational program | Language | Number of students | Book collection | | | | | Study book supply | Book supply |
|---|--|----------|--------------------|-----------------|------------|---------------------|--------------------|------------------|-------------------|-------------|
| | | | | Total | Study book | Methodological book | Science foundation | Own publications | | |
| 1 | 5B071300 Transport, transport technique and technology | kaz | 1 | 281 | 172 | 77 | 32 | 0 | 61,21% | 281 |
| | | rus | 64 | 1065 | 6525 | 381 | 3564 | 183 | 61,25% | 166,45 |

An important factor is to respect copyright when using training and methodological support in the public domain.

Information and communication technologies are a tool, which increases independent learning opportunities and enabling them to share experiences and teacher to improve their skills in the comfort of his office.

Strong positions of EP:

- availability of the structured, organized information on readable disciplines, including personalized online resources and Wi-Fi to students;
- the presence of special software in the university;
- laboratory equipped with modern unique specialized equipment, computer and multimedia equipment, instrumentation are used in the educational process. All the equipment complies with safety in the operation. (Three real-virtual laboratory equipped with modern computer technology and software, "Internal combustion engines" and "Injection engine control

system"; CAD road transport equipped with 3D-printer, "Electrical and electronic equipment for cars"; multimedia complex);

- compliance of training equipment and software used in manufacturing, including safety requirements for their operation;
- a high level ensuring of information resources and instructional literature (Software of Virtual Labs: Software «AutoCAD»; software "Compass 3D»; ON «LABVIEW». Regular updating of educational materials;
- the presence of a branch of the department for the EP in the transport company.

Weak positions of EP:

- the university does not review the conditions for the development of the scientific potential of young scientists and students.

The Commission recommends:

- to empower opportunity of EP by posting of electronic versions of news magazines, including "Bulletin of NKSU named after M. Kozybayev "on the site of the University;
- to update the material and technical basis for the possibility of conducting research by students of EP;
- to continue equipment of the educational process with modern equipment, adequate content of educational programs.

Thus, EEC notes that 9 criteria of this standard have a strong position, 22 criteria - satisfactory, and 1 requires improvement.

4.6 Standards in the context of separate specialties.

Natural and technical sciences

The development of educational program 5B071300 - "Transport, transport technique and technology" is designed to obtain the graduates of high theoretical and practical training.

Current state of training in the framework of EP is supported by the active use of ICT and annual renewal subject of course and diploma papers.

One of the priorities of the university is to develop interactive and information and communication technologies (ICT). There are specially equipped classrooms to teach, to perform tasks on the IWS, including course projects, theses.

In order to familiarize students with the professional environment and current issues in the field of specialization, as well as for the acquisition of skills through theoretical training education program includes subjects and activities aimed at getting practical skills and experience in the specialty as a whole and in particular majors.

The most traditional way to communicate the department "TiM" - trips, joint technology projects, as well as educational, industrial and pre-diploma practice. The criteria of quality of interaction are:

- maximum employment of graduates of the department "Transport and mechanical engineering"; the number of long-term cooperation agreements;
- the availability of additional funding sources and alternative ways to compensate for the costs of laboratory and research base;
- coordination of the activities of research projects and educational programs;
- creation of basic training, research and production centers and branches provide personalized programs and technologies training of young specialists;
- improving the educational process and the development of innovative technologies in education, science and business.

Every year seminars, round tables, conferences with the participation of employers, in which correspond main directions of development of engineering education, new personnel police, plans of industrialization of the country.

Currently, the current employees of the department "TiM" with manufacturing experience related to the basic profile EP 5B071300 "Transport, transport technique and technology" are: Ph.D., Professor Tomashets A.K. served as the chief engineer and head of the department in the period 1980-1987 (Administration of Mechanization construction association "Petrovavlovskselstroy" of Petropavlovsk); the senior teacher Abilmazhinov S.I. worked as the engineer in the transportation department between in (Kazakh department of "Promtrans project" Alma-Ata), as the chief mechanic in 1983-1995 (an auto base №4 of the trust "Uralneftegazstroy" of Chelyabinsk); the senior lecturer, Master Gordin N.D. worked as the mechanical engineer for 5 years (JSC "ZIKSTO" of Petropavlovsk,); Candidate of technical sciences, Associate Professor Bondarev V.K. worked as the mechanical engineer and deputy chief engineer for 3 years (Glazov chemical engineering plant of Glazov); the senior lecturer, Master Derman A.L. worked as the operator of boiler plants in 1990-1993 (JSC "PZTM named after V.I.Lenin" of Petropavlovsk), as the post-minder, driver in 1993-1996 (JSC "PZEIM named after M.Kalinin").

Practical training of students is carried out through the organization of professional practices, excursions to the enterprises during training sessions and practical training focused on deepening, systematizing, concretization of the theoretical knowledge acquired at the university, to improve professionally significant skills.

There are no comments on this standard

Thus, EEC notes that 1 criterion of this standard has a strong position, 4 criteria - satisfactory, and 2 require improvement.

Recommendations of the EEC on the specialized accreditation of the educational program 5B071300– «Transport, transport technique and technology»:

- to develop a policy document "Development Plan of the educational program "Transport, transport technique and technology", with the establishment of deadlines, responsibilities, etc;
- within the Development Plan of EP to provide measurement of the degree of satisfaction with the needs of faculty, staff and students with secure evidence address the shortcomings detected in the implementation of the Plan;
- to develop cooperation with the leading universities of the Republic of Kazakhstan and foreign universities for the development of joint educational programs, joint research, the organization of academic mobility of students and staff of the university;
- to ensure the involvement of domestic and foreign research institutions to the educational process;
- to provide for procedures of diagnostics of students' knowledge at the beginning of the training course in the implementation of EP;
- to consider the issue on the motivation of teaching staff for the publication of scientific articles in journals with high impact factor;
- to develop a form of academic mobility and international cooperation with partner institutions;
- to expand the geography of universities for cooperation and academic mobility and scientific training of teaching staff;
- to involve actively known scientists, public and political, honored figures to the implementation of EP;
- to raise awareness among students about the decisions of collegial bodies on the management of EP;
- to create conditions for professional certification of students in the area of specialization in the learning process;

- to expand the geography of universities for cooperation and academic mobility of students and faculty with the development of a mechanism for the recognition of the results of academic mobility of students;
- to empower opportunity of EP by posting of electronic versions of news magazines, including "Bulletin of NKSU named after M. Kozybayev "on the site of the University;
- to update the material and technical basis for the possibility of conducting research by students of EP;
- to continue equipment of the educational process with modern equipment, adequate content of educational programs.

RECOMMENDATIONS FOR THE ACCREDITATION COUNCIL

The members of the external expert committee came to a unanimous opinion that the educational program 5B071300– «Transport, transport technique and technology», implemented by the North-Kazakhstan State University named after M. Kozybaev can be accredited for 5 years.

Independent Agency for Accreditation and Rating
Independent Agency for Accreditation and Rating