

INDEPENDENT AGENCY OF ACCREDITATION AND RATING
External commission of experts



It is addressed
to the accreditation
council of IAAR

**Independent agency for
accreditation and rating**

REPORT

**about results of work of an external commission of experts on an assessment
on compliance to requirements of standards of specialized accreditation of educational
programs**

5B073100 – HEALTH AND SAFETY AND ENVIRONMENT PROTECTION

6M073100 – HEALTH AND SAFETY AND ENVIRONMENT PROTECTION

5B012000 - VOCATIONAL EDUCATION

6M012000 - VOCATIONAL EDUCATION

Almaty

November 12, 2015

According to the order 26-15-OD of 3.11.2015. Independent agency of accreditation and rating on November 10 - 12, 2015 in the Republican state enterprise on the right economic "The Kazakh national agrarian university" the external commission of experts carried out an assessment of compliance of educational programs 5B073100 – Health and safety and environment protection;

6M073100 – Health and safety and environment protection; 5B012000 – Vocational education; 6M012000 - Vocational education according to standards of specialized accreditation of IAAR.

The report of the external commission of experts (ECE) contains an assessment of the specified educational programs to criteria of IAAR, the recommendation of ECE about further improvement of educational programs and parameters of a profile of educational programs of the Republican state enterprise on the right economic "The Kazakh national agrarian university".

The external commission of experts worked in the following structure;

1. The chairman of the commission – Bakushev Askar Asilgaliyevich, Cand.Tech.Sci., the West Kazakhstan agrarian and technical university named after Zhangir khan (Uralsk);
2. The foreign expert - (Saljnikov Elmira), doctor PhD, the leading scientific employee of the scientific research institute of Soil science (Belgrade, the Republic Serbia);
3. The foreign expert – Levikh Alyona Yurevna, candidate of biol.scien., docent, Ishim Pedagogical Institute (branch) FGBOU IN "The Tyumen state university" (Ishim, Russia);
4. The expert – Ibadullayeva Saltanat Zharylkasymovna, Doctor of Biological Science, professor, Kyzylorda State University named after Korkyt-Ata (Kyzylorda);
5. The expert – Stybayev Gani Zhasymbekovich, candidate agricultural science, docent, the Kazakh agro-technical university of S. Seyfullin (Astana);
6. The expert – Sattybayeva Zeynegul Dzhumabekovna, docent, candidate agricultural science, Kokshetau state university named after Sh. Ualikhanov (Kokshetau);
7. The expert – Aryngazin Kapar Shakimovich, Cand.Tech.Sci., professor, Pavlodar state university named after S. Toraygyrov (Pavlodar);
8. The expert – Turebayeva Klara Zhamanbayevna, Ph.d, professor, the Aktyubinsk regional university by K. Zhubanov (Aktyubinsk);

9. The expert – Eszhanov Galikhan Serdalinovich, candidate of technical sciences docent, Kokshetau state university named after Sh. Ualikhanov (Kokshetau);

10. The expert – Ualkhanov Bayzhan Nurbayevich, Cand.Tech.Sci., docent, the Kazakh national academy of Arts by T.K. Zhurgenov (Almaty);

11. The employer – Saporov Galymzhan Abdullayevich, candidate of agricultural science, the head of department "Agrichemistry" of the Kazakh research institute of soil science and agrochemistry named after U. U. Uspanov (Almaty);

12. The student – Mekesov Shamshinur Askaruly, the 3rd course student of Kazakh National University named after Al-Farabi (Almaty);

13. The observer from Agency - Kanapyanov Timur Erbolatovich, the head of the international projects of Agency (Astana).

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CONTENTS

1. REPRESENTATION OF THE KAZAKH NATIONAL AGRARIAN UNIVERSITY	
2. DESCRIPTION OF VISIT OF ECE	4
3. GENERAL ASSESSMENT OF EDUCATIONAL PROGRAMS	6
4. COMPLIANCE TO STANDARDS OF SPECIALIZED ACCREDITATION	7
1) STANDARD “MANAGEMENT OF THE EDUCATIONAL PROGRAM”	7
2) STANDARD “SPECIFICS OF THE EDUCATIONAL PROGRAM”	10
3) STANDARD "FACULTY AND EFFICIENCY OF TEACHING"	14
4) TRAINED STANDARD	16
5) "RESOURCES AVAILABLE TO EDUCATIONAL PROGRAMS" STANDARD	19
6) STANDARDS IN THE SECTION OF SEPARATE SPECIALTIES. EDUCATION	21
7. RECOMMENDATIONS ABOUT EDUCATIONAL PROGRAMS 5B073100 - 5B073100 – HEALTH AND SAFETY AND ENVIRONMENT PROTECTION; 6M073100-BEZOPASNOST ZHIZNEDEYATELNOSTI, AND ENVIRONMENT PROTECTION; 5B012000 - THE VOCATIONAL EDUCATION; 6M012000 - THE VOCATIONAL EDUCATION	21
7. RECOMMENDATION TO ACCREDITATION COUNCIL	22

1. REPRESENTATION OF THE KAZAKH NATIONAL AGRARIAN UNIVERSITY

RGP on REM "Kazakh National Agrarian University" (further – KAZNAU) is created on the basis of two oldest higher education institutions of the country – Almaty zoo veterinary and Kazakh agricultural institutes.

Almaty zoo veterinary institute was founded in 1929 (The resolution of Council of People's Commissars of RSFSR on 26.06.1929)

The Kazakh agricultural institute was opened in 1930 (The resolution of Council of People's Commissars of RSFSR, the protocol No. 40 of 18.06.1929).

The Kazakh state agricultural university was founded in 1996 (The resolution of the government of the Republic of Kazakhstan No. 422 of 11.04.2015).

In 2001 the higher education institution was given the status of national university (the Decree of the President of the Republic of Kazakhstan N. A. Nazarbayev No. 648 of 5.07.2001)

In 2010, on the occasion of celebration of 80-year anniversary, KAZNAU the President of the Republic of Kazakhstan N. A. Nazarbayev who highly appreciated activity of faculty of university visited. He noted that the scientific and educational and innovative policy pursued by university is focused on consecutive transition of domestic agrarian science to new international and recognized level.

The Kazakh national agrarian university was among 10 universities of Kazakhstan on the basis of which according to the Message of the President of the Republic of Kazakhstan to the people of Kazakhstan "NURLY ZHOL – the WAY TO the FUTURE" will be carried out training for projects of the State program of industrial and innovative development for 2015-2019.

It is planned to realize the autonomous model of management focused on development of the modern academic programs based on the high level of scientific researches with their practical application in real production.

In a national rating of higher education institutions of the Republic of Kazakhstan KAZNAU takes the III place among 13 technical colleges and the IX place in a top of 30 higher education institutions of the Republic of Kazakhstan.

According to the European scientific and industrial chamber the higher education institution takes the VII place among higher education institutions of level 3 (BBB).

According to the Center of Bologna Process and the academic mobility of MES RK, in the academic rating of higher education institutions of Kazakhstan on through specialties of the higher and postgraduate education KazNAU takes the I place on the specialties "Production Technology of Livestock Products", "Agrarian equipment and technologies", "Soil science and agro chemistry", "Veterinary medicine", "Veterinary sanitation"; The II place in "Ecology"; The III place in "Agronomics".

According to QS agency, the Kazakh national agrarian university was included into 300 higher education institutions of a world rating.

2. DESCRIPTION OF VISIT OF ECE

Activity of ECE of Independent agency of accreditation and rating (further – IAAR) was carried out on the basis of the Visit schedule of external experts of specialized accreditation in RSE on REM "Kazakh National Agrarian University" during the period from November 10 to November 12, 2015. Materials, necessary for work, were presented to members of ECE IAAR. For the purpose of coordination of work of the commission adjusting meeting during which powers between members of the commission were distributed took place on November 10, 2015, the schedule and the visit schedule is specified, the technique of carrying out examination is coordinated.

For the purpose of an assessment, specification and additions of the contents of the presented self-reports took place meetings with the rector, vice rectors for activities, heads of the divisions responsible for the organization and control of educational process, the deans of faculties managing chairs, the employers, teachers who are trained graduates, employees from various structural divisions. In total 439 people (tab. 1) participated in meetings..

ECE meetings with target groups took place according to the specified visit schedule, with observance of the established temporary schedule. From staff of the Kazakh national agricultural university presence of all persons specified in the visit schedule was provided.

For obtaining objective information on an assessment of educational programs members of ECE IAAR used such methods, as: meetings, visits, conversations and interviewing of staff of various structural divisions which are trained, questioning of the faculty and trained.

In general, the actions planned within visit of ECE IAAR promoted detailed acquaintance of experts with educational infrastructure of university, the material resources, the faculty, representatives of the organizations of employers who are trained (students, undergraduates, doctoral candidates), graduates. It allowed members of ECE IAAR to carry out an independent assessment of compliance of the data stated in reports on a self-assessment of educational programs of university to criteria of standards of specialized accreditation. In total 106 people participated in meetings (see table 1)

Table 1 of Data on employees and trained, participated in meetings with ECE IAAR

Category of members	Quantity
Rector	1
Vice-Rector for activities	3
Dean	1
Heads of departments	2
Managers and employees of structural divisions	23
Teachers	16
Students	18
Masters	15
Graduates	20
Employers	7
Total	106

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In the course of work of ECE the following types of works are carried out:

1) visual survey of objects of infrastructure of higher education institution: visit of audiences in the main educational case, the museum of university, an educational and methodical office No. 25, the linguistic educational center "Time to Study", institute of social arts education and education named after Olzhas Sulleymenov, the Kazakhstan-Japanese innovative center, scientific library, control center of water resources, the hostel No. 2.

2) visit of studies: EP 5B073100 "Health and safety and environment protection"

- Practice of the second foreign language (German), group 2 courses, teacher: Talgatkyzy Zh. master

Basic English, group 3 courses, teacher: master Kalkabayeva A.T.

EP 6M073100 "Health and safety and environment protection"

- Basic English, group of 1 course, teacher cand.ped.scien., associate professor Sirgebayeva S. T.

visit of studies: EP 5B012000 "Vocational education"

- "Technology of pedagogical communication in professional educational institutions" (in the Kazakh language), group 3 courses, practical occupation, the senior teacher: Abdigapbarova A.I.

- "Physics" practical occupation (in the Kazakh language); group 2 courses, the teacher: the associated professor Zhukina A.B.

EP 6M012000 "Vocational education"

- "Conflictology" group of 1 course, practical occupation, cand.ped.scien., Skabayev G. N. associate professor.

3) acquaintance to the faculty of chairs "Vocational education" (VE), "Agrarian equipment and technology" (AT and T) on workplaces and in the course of planned meetings and interview;

4) online-interview with trained and PPS of university which left on training abroad; the undergraduate of the second year VE left on training to Hungary, Alimov Díaz.

5) meetings interviews and questioning with faculty, with students, undergraduates.

6) meetings interviews with graduates and employers.

3. GENERAL ASSESSMENT OF EDUCATIONAL PROGRAMS

Preparation of the accredited educational programs (further - EP): 5B073100 "Health and safety and environment protection", 6M073100 "The health and safety and environment protection" conducts "Agrarian Equipment and Technology" chair, 5B012000 "Vocational education", 6M012000 "Vocational education" is conducted by Vocational education chair which are structural divisions of engineering faculty of KAZNAU.

Educational activity is conducted on the basis of licenses of specialties according to the new qualifier of RK Group 08-2009: No. 0142690 AB series of July 03, 2011 (the order CCES of MES RK No. 592 of July 03, 2011). Training of bachelors and masters according to the accredited programs is carried out in the state and Russian languages on internal, correspondence and remote technology of training on the basis of an average of the general, average professional and higher education.

The maintenance of educational programs is based on standard acts of RK, requirements of SCSE and the standard regulating documents MES RK.

Chairs critically approach the analysis of the activity: carry out an assessment strong and weaknesses, define the concept of policy of education.

Planning, forecasting, management and the realization of educational programs of chair are enabled according to long-term plans of development and the plan of work approved for each academic year. The circle of the questions submitted for meetings of chairs covers the main directions of their activity. The analysis of plans of work and protocols of meetings shows that cases in point correspond to actual problems of EP, and the made decisions promote improvement of training of bachelors, masters and a sustainable development of higher education institution.

4. COMPLIANCE TO STANDARDS OF SPECIALIZED ACCREDITATION

1. Standard "Management education program"

General purpose of the considered programs – training of the bachelors and masters possessing all types of the competences and capable to carry out productive professional and scientific and pedagogical activity in the profile, scientific and educational organizations possessing necessary competences and capable to realize them in professional activity. This educational purpose, and also problems of EP of specialties of a cluster are harmonized with mission of higher education institution, correspond to SCSE RK. The higher education. A bachelor degree (No. 1080 of August 23, 2012). Basic provisions and with SCSE RK. Postgraduate education. A magistracy (No. 1080 of August 23, 2012).

Trained on EP of a cluster have ample opportunities for mastering the modern knowledge in the field of the theory, practice allowing them to have, develop and maintain fundamental professional competence. Strict following of ideology of the Bologna convention – the credit technology of training, the academic freedom and mobility, possibility of retake in ECTS credits – promote rapprochement of the program with national and international samples in this direction. For this purpose students participate in the program of the academic mobility, for carrying out occupations foreign professors are invited. Concrete data are given below in the standards "Trained", "Faculty".

Achievement of a goal corresponds to inquiries of labor market to what the high percent of employment of graduates and responses of employers who note existence of the created professional competences at graduates of an educational program testifies (knowledge of basic courses LS and FC, VE, possession of skills of professional and interpersonal communication).

Also employers note that graduates of EP:

- are able to define the purposes and tasks connected with realization of professional functions and actively look for effective ways of their achievement;
- are able to interact with members of collective successfully.

For increase of a level of quality of educational activity of faculty of chairs aspires:

- to update annually methodical ensuring educational process and an assessment of level of knowledge taking into account tendencies in formation of RK;
- to introduce modern educational technologies;
- to introduce remote education;
- to develop material base (the equipment of offices and laboratories).

Educational and methodical documentation of EP is developed according to SCSE, standard programs, working curricula in the Kazakh and Russian languages. On chairs the attention of the organization is paid, to an assessment and control of SIW.

In educational process electronic textbooks, educational literature and EL on electronic and magnetic media are used (CD ROM, audio cassettes, videotapes), cases and other modern technologies of training in profile disciplines are developed. Are used by chairs the general laboratory and technical base of university: computer classes, lecture halls with the interactive and multimedia equipment, library, and also specialized laboratories on LS and FC, VE ("On studying of an emergency", "Complex mechanization of processes after animal husbandry", "Fundamentals of health and safety", "Resource-saving technologies, means of production of storage and processing of agricultural production", "Operation of cars", "Automated control systems", laboratory "Transmissions", "Using of technology", "Electric Car").

Students and undergraduates have opportunity to participate in actions of educational character. They have access to Committee on affairs of youth, debate club, KVN, sports sections.

Forecasts of need of the region for experts with the higher education in the field of LS and FC, VE for the next 5 years and steadily high employment of graduates (90%) testify to importance of the EP this directions.

Uniqueness and identity of the development plan of EP 5B073100, 6M073100 "LS and FC" and 5B012000, 6M012000 "Vocational education" consists in studying of the fundamental disciplines giving an idea of a current state and prospects of development of domestic professional and technical education, of requirements imposed to the level and quality of preparation of the trained. Training of bachelors is carried out in the state and Russian languages on the internal, correspondence reduced, remote forms of education and on the basis of higher education. Training of masters on EP 6M073100 "Health and safety and environment protection", 6M012000 "Vocational education" is carried out in the state and Russian languages on full-time tuition.

The strategic development plan of university for 2011-2020 allows to use effectively and rationally available resources; personnel potential, material base, information resources, the improved partnership with the enterprises and the organizations to analyze competitiveness level in educational space of the region (results of activity of partnership of university with bases the practitioner show that for the last three years interaction extends, goes deep and improve. So with 2012 on 2015 the increase in number of contracts for 30% is observed).

For the purpose of increase of competitiveness such kinds of activity, as are developed and realized: attraction of faculty from the near and far abroad; analysis of a demand and competitiveness of graduates; development of external academic mobility; aspiration to introduction of the Double Diploma program, i.e. obtaining the document on the termination of university and receiving the academic degree of the bachelor or master not only with opportunity to find a job in the Republic of Kazakhstan, but also abroad. In the specialty 6M012000 – the Vocational education undergraduates according to the schedule of the academic mobility annually are trained, training at foreign universities; expansion of the academic environment round university; participation of student's youth in actions of higher education institution, faculty and chair.

In general systemacity in management of the realized educational programs which is expressed in creation of necessary collegial bodies on monitoring of quality of the contents (methodical councils), adjustments of feedback with students (virtually) and employers is traced. Responses of employers are discussed at faculty meetings. Their analysis shows that demanded qualities of the graduate are along with professional as well competence of adjacent areas, ability to innovations and creativity, use of information technologies, computing systems and communication means.

EP are supplied by WCP, the syllabuses, EMCD developed according to normative documents of KAZNAU in the Kazakh and Russian languages.

Contents WCP, syllabuses and EMCD meets the modern requirements of training of specialists and specifics of EP. EMCD passes preliminary expert examination at faculty meetings. After preliminary expert examination educational and methodical documentation is discussed on methodical council of faculty, EMC of university and approved as the vice rector for UIUMR. Can be recommended by the decision of Educational and methodical council of EMCD university for the edition (Pedagogics, Psychology for a magistracy of all specialties of university, "Pedagogical activity of the teacher of the higher school" for PhD of doctoral studies of all specialties).

Faculty realizing EP pays attention of the organization, to an assessment and control of SIW. The schedule of consultations of SIW is approved, on all disciplines methodical instructions are developed for performance of the SIW tasks.

Productivity and efficiency of development of EP is confirmed by that the teachers who are carrying out training of students according to EP regularly improve skills both on regional and republican, and at the international level. Students participate in the republican subject Olympic Games (Karaganda, the VI republican Olympic Games among students 3-4 courses of specialty EP LS and FC received the letter of thanks from the rector of KARGTU, the academician Nan RK Gazaliyeva A.M.); Shymkent, the Southern Kazakhstan State university named after M.Auezov, the republican subject Olympic Games. With 2012 on 2015. with prize-winning places), the international grant programs, following the results of professional the practitioner have letters of thanks from heads of colleges (Zhalanash professional lyceum N23, professional lyceum N13, professional lyceum N16 of the village in Bastobe, Almaty region), and also certificates of honor to students of specialty 5B073100-LS and FC, 5B012000 – the Vocational education.

The researches conducted by faculty of chairs have applied scientific and search character in the field of LS and FC, a vocational education (the researches conducted on "Agrarian Equipment and Technology" chair: "Development of innovative technologies and means of mechanization for farmer and country farms of Kazakhstan on production of competitive food"; the researches conducted on Vocational education chair: "Development of the adaptation to the harvester and introduction of a new way of cleaning of seeds of sunflower" "Development of modular energy saving ventilating system for agricultural rooms"). Chairs have the scientific directions having a certain theoretical and practical importance and directed on development of the important disciplinary aspects realized in educational process.

Students have access on a portal of KAZNAU to information concerning training process: to the schedule of lectures, practical training, contents and duration of the forthcoming occupations.

Members of ECE recommend:

- to speed up work on the analysis of success of realization of educational programs with the subsequent correcting actions;
- further development of cooperation with the domestic and foreign higher education institutions realizing similar educational programs.

ECE notes that by 34 criteria of this standard the higher education institution has strong positions, 3 satisfactory positions.

2. “Specifics of the educational program” standard

Educational programs are developed on the basis of SCSE of specialties and will be coordinated with mission of higher education institution and inquiries of labor market. Specialized chairs "ATandT ", "VE" realize EP on specialties: 5B073100 "Health and safety and environment protection", 6M073100 "Health and safety and environment protection", 5B012000 "Vocational education", 6M012000 "Vocational education" according to the Dublin descriptors coordinated with the European system of qualifications. In higher education institution it is realized generally competence-based and the personal focused approach, i.e. modular educational programs of a bachelor degree and a magistracy include the following competences: in the field of professional pedagogics, the production sphere, on a specialization profile; in the sphere of management of educational processes; in the field of methodology of scientific researches; in the field of scientific and pedagogical activity in higher educational institutions; in questions of modern educational technologies; in implementation of scientific projects and researches in professional area; in ways of ensuring continuous updating of knowledge, expansions of professional skills and abilities.

EP regulate the purposes expected results, the contents, conditions and technologies of realization of educational process, an assessment of quality of training of the graduate on a profile of preparation and includes a complex of educational and standard documentation. Enter this complex: the curriculum, the schedule of educational process, working programs of courses, subjects, disciplines (modules), programs educational, production and pedagogical the practician and the methodical materials providing realization of the appropriate educational credit technology.

The purpose of a cycle of the general educational disciplines – training of the expert of a new formation having broad fundamental knowledge, initiative, adapted for the changing requirements of the labor market able to work in team. Providing conditions for acquisition of a high general intellectual level of development.

The purpose of a cycle of basic disciplines are receiving fundamental knowledge in concrete subject domain, mastering methods of the scientific analysis and forecasting of various phenomena, ability to use them in the professional sphere.

The purpose of a cycle of the main subjects consists in completion of fundamental training of bachelors and increase of professional competence; to training of the expert for creative, professional, social activity, high-quality performance of practical tasks in the conditions of uncertainty and risk; to increase of competitiveness of graduates in the market of certified specialists of the region and RK.

In EP for a bachelor degree four groups of modules corresponding to structure of the Standard curriculum are allocated:

- 1 group - the modules "Theoretical Training" forming the general professional and special competences of a bachelor degree;
- 2 group - the Practice module directed on instilling of skills of professional activity;
- 3 group - the Total State Certification module aimed at quality check of the mastered education;
- 4 group – "Additional types of training" (physical culture), developing a physical state trained.

During one academic period (semester) the student of full-time tuition masters do not have less than 18-22 credits. The model of the curriculum of EP includes distribution of the credits on modules, on cycles of disciplines, on semester. Formation of modules in cycles is based on the Standard curriculum where cycles of disciplines are established, disciplines of an obligatory component, quantity of the credits are determined by cycles and disciplines

In EP LS and FC for master degree the following groups of modules are allocated:

- scientific and innovative activity;
- safety of design of technological processes;
- energy saving technologies and electrical safety;
- production safety.

When forming EP VE ultimate goals of higher education are considered. EP are directed on the solution of the following tasks:

- mastering basic knowledge in area scientific bases psychology and pedagogical, the social humanities, a basis of modern production, constructional materials, tools, means of labor and production;
- the bases of the economy and businesses, marketing, management in establishments of education, the industrial enterprises and services industries;
- main questions of the organization and economy of production, uniform systems of design and technological documentation;

- acquisition of the knowledge, skills and abilities necessary for implementation of professional activity in the field of scientific and scientific and pedagogical activity in higher educational institutions, establishments of technical and professional education.

According to ultimate goals of higher education the model of the graduate of EP is developed. According to this model the graduate of EP possesses the following types of competences:

- key (forming, systematizing, research);
- subject (communicative, technological, controlling);
- special (program, intersubject, social, developing, creative, organizational and methodical).

Special problems of EP are: design of the educational process directed on a training individualization, strengthening of the independent creative beginning in activity of pupils, development of research activity and social practice; formation of the purposes of training in interrelation with practice of professional activity; development and realization of elective courses of preprofile preparation and profile training; use, in addition to traditional forms, new types, forms, methods and means of definition of dynamics of advance of the pupils in educational process considering their specific features; formation at pupils of key competences; application of the methods and technologies of training forming practical skills of collecting and the analysis of information, the pupils fixing experience of a responsible choice and responsible activity stimulating independent work, promoting self-organization of pupils of system of TandPO, formation of their valuable orientations; formation of the abilities and competence necessary for continuation of education in the respective sphere of professional education.

Formation of professional competence of students is carried out thanks to the contents, volume and logic of creation of an individual trajectory of the trained.

Along with the block of obligatory disciplines MC elective courses are developed for EP. As courses on a choice the disciplines directed on formation of key, subject and special competences are provided in the curriculum: "Safety of equipment and technology", "Hydraulic gas dynamics and heat mass exchange", "Methods and control devices of environment", "Standardization, certification and technical measurements", "Materials science and technology of design materials", "Tractors and cars", "Professional activity of the master of a vocational education", "A private technique of teaching agricultural disciplines", etc.

The purpose of elective disciplines of a theoretical cycle is addition and specification of obligatory disciplines: "Bases of radiation safety", "Technical regulation of industrial safety", "Technique of a vocational education", "Introduction to a pedagogical profession", "Organization of profile training of school students", etc.

Specifics of EP are reflected in contents of working curricula. So, for EP "Mechanization of Agricultural Production", "Industrial Ecological Safety" CED included disciplines: "Safety

design of technological processes of processing of production of agriculture", "Bases of chemical and biological safety", "Tactics of rescue operations and elimination of consequences of an emergency", "Labor protection" "Industrial ventilation", "Tractors and cars", "Farm vehicles", "Machine use in agriculture", etc. For discipline EP "Power industry": "Electrical equipment bases", "Automation of technological processes", " Electro technology ", "Electric equipment of cars and technical means", etc.

At creation of EP the opinion and needs of employers is considered. So, for example according to the recommendation of Almaty agrarian college CED included discipline "Design of technology of training of technical disciplines", and according to the recommendation of LLC "KazSRIMEA", "Cluster production of ecological net agricultural production".

Important factor when developing EP is studying of experience of foreign higher education institutions. So, with PhD, professor Kozybay A.K. in the joint scientific project with the Dresden university and considering experience of training of specialists in Germany it was offered to introduce in educational process of a master degree of discipline "Special didactics"; doctors of PhD Imashova Asel - University named after St. Ishtvan on discipline of "A noksologii basis".

Chairs adjusted system of monitoring of advance of the student on an educational trajectory. Advisers trace ratings of students who are discussed at faculty meetings. The developed system of monitoring of the educational environment of university is provided with-level approach to planning of different types of control, system approach to the organization of monitoring, various formative and summative forms of control at all administrative levels (questionnaire "The teacher through the eyes of students", visits by independent experts of KazNAU of occupations of faculty, comes to light satisfaction trained the chosen educational program, etc.).

The policy of ensuring quality is reflected in a complex of the internal documents of quality management system developed for effective implementation and control of the main processes of activity of chairs: educational, methodical, scientific and educational work. The policy of quality is based on the strategic plan of chairs and KazNAU, brought to the attention of all teachers, employees and students of higher education institution and is under a constant control.

Degree and term papers of students, master theses, the maintenance of all types professional, pedagogical and research the practician are closely connected with specifics of future professional activity of graduates. Research subjects of graduates have a practical focus, are based on experiment, the obligatory requirement is approbation of materials of the thesis and master theses in practice. Skilled and highly skilled teachers, professors of chairs, among reviewers of theses - representatives of employers are appointed heads of final works and master theses.

For check of educational achievements of students and undergraduates control forms are provided intermediate, current and total. Estimation of knowledge is carried out on mark and

rating system according to Standard rules of carrying out the current control of progress, the intermediate and total certification which are trained in higher educational institutions (MES RK Ave. No. 125 of 18.03.2008).

The current control of progress is exercised in educational process according to the schedule of studies and lesson schedule of SIWP made by department of the organization of educational process.

Intermediate certification of progress of students is carried out to the period of rating control according to the academic calendar for the current academic year made the EP on the basis of curricula and SCSE of specialties.

Results of rating control are entered in the rating sheet where results of the current progress are also reflected. The GPA of these two indicators characterizes results of control test.

Total certification is carried out in the form of the examination which is carried out in the test or oral, and also combined form. The decision at a meeting of Council of faculty is made on a control form on this or that discipline at the beginning of academic year.

Examinations are carried out according to the schedule of examinations

One of conditions of effective introduction of credit technology of training is application of innovative methods of training. Experience of introduction of actual and effective techniques becomes object of demonstration on indicative and open occupations and is fixed in magazines of mutually visits of teachers and reflected in plans of EMW and protocols of meetings of EMC.

During implementation of the educational activity of chair seek for adjustment of contacts with other higher education institutions, for exchange of experience, for introduction of programs of the double diploma.

Chairs support scientific communications with higher education institutions and scientific centers of the foreign and neighboring countries: Irkutsk agrarian academy, Irkutsk, Altai agrarian academy, Barnaul.

For carrying out occupations with students and teachers of chair and an exchange of technologies of training foreign lecturers are invited. In 2012 professor of the university Northern Dakota Ganesh Bora was invited for lecturing to undergraduates of EP.

In the course of training students of EP according to SCSE pass different types of practices: educational, production, pedagogical, externship.

Bases of practice are educational and auxiliary divisions of higher education institution, and also the organizations corresponding to a specialty profile (or the related organizations).

Chairs signed in total more than 45 contracts with profile educational institutions and the organizations. Among them: LLC “KazSRIMEA”, Department Emergency of Almaty, Almaty agrarian college, College of management and agribusiness of M. Beysebayev (Talgar), Taldykurgan humanitarian and technical college, Talgar polytechnical college, etc.

Upon termination of practice students and undergraduates hand over reports on the approved form. Results industrial practice, production and externship, pedagogical and research practices are considered and discussed at total conference. Reports on all types of practices are on the departments.

Following the results of production and externship the practices from many enterprises of the city letters of thanks are sent to the address of university (LLC “Bayskerke Agro”, Emergency EKR, Talgar college of management and agribusiness, PL No. 16 in the village Bastobe and others).

Members of ECE recommend:

- to improve the maintenance of the educational programs providing the logician of interrelation of the performed works trained with the mastered competences;
- when carrying out examination of educational modules to focus attention to logic of association of disciplines in modules and observance of their continuity at courses
- to organize work on realization of joint educational programs with domestic and foreign higher education institutions.

ECE notes that by 17 criteria of this standard the higher education institution has strong positions, on 15 kriteriyam the satisfactory, 1 position assumes improvements.

3. "Faculty and Efficiency of Teaching" standard

In 2012-2013 in realization 5B073100 "The health and safety and environment protection", took part 35 teachers from whom 30 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 80%. Completeness – 100%.

On EP 6M073100 "Health and safety and environment protection" conducted occupations in total of the 15th teacher from which 13 are regular. The degrees of all serving faculty in the specialty makes 100%. Completeness – 100%

On EP 5B012000 "Vocational education", conducted occupations in total of 158 teachers from whom 158 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 58%. Completeness – 100%.

On EP 6M012000 "Vocational education" conducted occupations in total of the 18th teacher from which 18 are regular. The degrees of all serving faculty in the specialty makes 100%. Completeness – 100%

In 2013-2014 in realization 5B073100 "The health and safety and environment protection", took part 35 teachers from whom 30 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 80%. Completeness – 100%.

On EP 6M073100 "Health and safety and environment protection" conducted occupations in total of the 18th teacher from which 17 are regular. The degrees of all serving faculty in the specialty makes 100%. Completeness – 100%

On EP 5B012000 "Vocational education" conducted occupations in total of 141 teachers from whom 141 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 56%. Completeness – 100%.

On EP 6M012000 "Vocational education" conducted occupations in total of 20 teachers from whom 20 are regular. The degrees of all serving faculty in the specialty makes 100%. Completeness – 100%

In 2014-2015 in realization 5B073100 "The health and safety and environment protection", took part 35 teachers from whom 30 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 80%. Completeness – 100%.

On EP 6M073100 "Health and safety and environment protection" conducted occupations in total of the 18th teacher from which 17 are regular. The degrees of all serving faculty in the specialty makes 80%. Completeness – 100%

On EP 5B012000 "Vocational education", conducted occupations in total of 129 teachers from whom 129 are regular. The general share of teachers with academic degrees and ranks, including general education chairs, made 54%. Completeness – 100%.

On EP 6M012000 "Vocational education" conducted occupations in total of the 25th teacher from which 25 are regular. The degrees of all serving faculty in the specialty makes 100%. Completeness – 100%

Personal information on faculty is placed on a portal of university.

At each teacher of chair the portfolio with all necessary data and supporting documents on qualification, professional development, the list of the main works, the list of readable disciplines is developed.

Chair accumulate and analyze information on the activity, carry out an assessment strong and weaknesses. By results of activity reports (individual reports of faculty, the report of a scientific and methodical seminar of chairs, annual reports of chairs) are regularly submitted.

At university the working group on an assessment of quality of carrying out occupations functions. The report on an assessment of the attended class is submitted on chair.

Working load of the teacher includes educational, educational and methodical, research, organizational and methodical, educational work, and also professional development, activity in the professional environment. On average classroom loading varies from 550 to 600 hours in a year. The differentiated loading depends on category faculty - the teacher, the senior teacher, the associate professor, professor. Each teacher fills in the individual plan of work which is considered at faculty meeting and is approved as the dean of faculty. The report on implementation of the individual plan of teachers is heard at faculty meeting. The decision on performance / non-performance / partial performance of the plan of work by the teacher is accepted jointly. Individual plans of teachers, the report on activity of chair are controlled by EMD of university.

Training is carried out according to the approved schedule of the Center of planning and professional development of university.

So, the professional development confirmed with the certificate was passed in 2012 – 50%, in 2013 – 80%, in 2014 – 83%, in 2015 – 61%. Including on the basis of foreign higher education institutions of the USA, Germany, Great Britain, Spain, Russia etc.

During the period from 2012 to 2015 teachers of EP published in total over 220 scientific articles in national magazines of Kazakhstan; in the international specialized magazines; collections of materials of foreign scientific and practical conferences; in collections of materials of the Kazakhstan international and republican scientific and practical conferences.

28 educational and educational and methodical grants of faculty EP are approved in educational process.

Faculty of Vocational education chair are members of the International Academies of Scientific and Pedagogical Education (IASPE) – 4 teachers.

Faculty of ATandT chair have MES RK'S awards – the excellent student of education-1, there were winners of ranks "The best teacher of higher education institution 2012, 2013 - 2" (MES RK), the owner of a gold medal "European scientific and industrial chamber" Brussels, Belgium.

Faculty of Vocational education chair have MES RK'S awards - breast Y.Altynsarin's sign - 2, one employee became the owner of a rank "The best teacher of higher education institution 2010" (MES RK), are noted by certificates of honor, letters of thanks.

Along with it the analysis showed insufficient number of the scientific publications faculty published in the editions having an impact-factor; not high activity of participation of faculty in competitions on implementation of the RK MES grant scientific projects and other funds; unilaterality of the academic mobility, i.e. lack of internal academic mobility.

Members of ECE recommend:

- to increase a share of faculty participating in research activity and implementation of scientific projects;
- to develop a package of measures on increase in number of articles in magazines with an impact-factor;
- to invite the leading domestic and foreign scientists for conducting occupations.

ECE notes that by 10 criteria there are strong positions, to 11 criteria of this standard – satisfactory.

4. Trained standard

The general contingent trained for EP the students who are trained by the state order and on a paid basis of day and correspondence forms of education make.

Dynamics of the movement of the contingent in a section of specialties is as follows:

The contingent of students of EP 5B073100 "Health and safety and environment protection", trained by the state order, during the period with 2012-2013 on 2014-2015 I grew by 24%. In total contingent trained in this direction on internal and correspondence (with use the PILLBOX) office grew for the specified period almost twice (from 10 people to 24 people).

The contingent of students of EP 5B012000 "Vocational education" which are trained by the state order during the period with 2012-2013 on 2014-2015 I grew by 14%. In total contingent trained in this direction on internal and correspondence (with use the PILLBOX) office grew for the specified period all the contingent of undergraduates of EP 6M073100 "Health and safety and environment protection", trained on a grant basis, from 2012-2013 on 2014-2015 (from 4 people to 6 people). The general contingent trained (the 12th persons).

The contingent of undergraduates of EP 6M012000 "Vocational education" which are trained on a grant basis from 2012-2013 on 2014-2015 I grew up almost twice (5 people of-9 people). The general contingent trained in a bachelor degree 205, in a magistracy of 17 people.

Progress of students of EP by results of the last examinations (2014-2015) I made 91,3% (a winter semester) and 89,2% (a summer semester) on specialty 5B073100 "Health and safety and environment protection"; specialty 6M073100 "Health and safety and environment protection" 85% (winter semester) and 88% (summer semester).

Progress of students of EP by results of the last examinations (2014-2015) I made 88,03% (a winter semester) and 83,4% (a summer semester) on the specialty 5B012000 "Vocational education"; specialty 6M012000 "Vocational education" of 100% (winter semester) and 100% (summer semester).

In 2014 the specialty 5B073100 EEEA GPA "Health and safety and environment protection" made 55,5.

In 2015 the GPA of EEEA of the specialty 5B012000 "Vocational education" made 130,7 that makes 65,1%.

The general progress of graduates of EP can be tracked by results of the YOKE. The GPA which was shown by graduates of EP 5B073100 "Health and safety and environment protection" (2014-2015), I made 4,3; EP 6M073100 "Health and safety and environment protection" (2014-2015) – 4,6. most by 1,5 times (32 people - the 57th persons).

The general progress of graduates of EP can be tracked by results of the YOKE. A GPA which was shown by graduates of EP 5B012000 "Vocational education" (2014-2015), I made 4,5; EP 6M012000 "Vocational education" (2014-2015) – 4,7.

For students and undergraduates opportunities for comfortable training taking into account modern requirements of the organization of educational process are created.

In KazNAU the information Platonus portal on which for the student are placed functions since 2013: 1) the guide (with the general Regulations of Admission, the transfer from a course to a course, the translation from other higher education institutions and vice versa, an order of offset of the credits mastered in other higher education institutions, assignments, etc.), 2) MC, 3) CED, 4) structure of faculty on disciplines; and also the program of registration for disciplines and formations of IEP is located. The student has opportunity to see the schedule of studies and examinations, to watch educational achievements (progress for the current semester, for the previous academic periods). In a private office of the student training and methodical materials on disciplines of specialty are placed.

At university the system of measures for assistance trained, having problems with progress functions. For example, to the students who didn't pass control test or total control for a good reason individual terms of their passing are established. The individual schedule of examinations is allowed in case of confirmation of force major situations: diseases, the child's birth, etc., provided by rules of credit technology of training, the internal schedule and the Charter of university.

The warning measures are:

- individual conversations with the students having admissions of occupations;
- invitation of poor students to faculty meetings and to meetings of council of faculty;

- departure of letters notices to parents of students.

For elimination of the academic debt the student, irrespective of form of education, has to study repeatedly this discipline in the terms established by dean's office. The students who paid repeated training are allowed to repeated studying of discipline.

Students are involved in performance of SRW. They participate in work on projects and make reports at scientific-theoretical conferences and the Olympic Games. On Vocational education chair and on AT and T chair for the last 3 years students published 23 articles in collections of materials foreign (CIS) of scientific and practical conferences, 102 articles in collections of materials of the Kazakhstan international scientific and practical conferences (from them – 103 – in a co-authorship with teachers of chair, 13 – under the leadership of teachers of chair).

The scientific circle "Tulpar" under the leadership of the station of teacher Bayzakova Zh.S. acts on AT and T chair.

The scientific circle "Ulagat" under the leadership of associate professor Zhaksylykova N. E. acts on VE chair. Students of specialty annually participate in competition and the Olympic Games held in SKSU named after M. Auezov.

Students and undergraduates of EP take active part in various competitions and actively participate in cultural, scientific and other actions at university, at faculty and chairs, and also in the scales of the city promoting their personal, social and professional growth. Participation of students in the specified actions are noted by diplomas of winners, certificates of honor, certificates and grants on training abroad. Students become winners and students of the annual Republican subject Olympic Games (Shymkent).

At university the structure promoting and coordinating the academic mobility of students and teachers - TsAM is created. The university closely cooperates with higher education institutions of the near and far abroad – the Russian Federation, Belarus, Latvia, Kyrgyzstan, the Czech Republic, Great Britain, Poland, Bulgaria, etc. In 2009 the Great Charter of Universities is signed. For students conditions for the academic mobility are created. So, the student 3 courses Dauletbek Ayzhan was trained in Lithuania, Kaunas, university of Aleksandras Stulginskis in an autumn semester 2014-2015 academic years. Also on the academic mobility on chair from 2009 to 2014 students of Agro technical university of S. Seyfullin were trained (Astana).

Students have opportunity for realization of leader and creative potential. For them CY, student's self-government, small Assembly of the people of Kazakhstan, scientific associations, debate clubs, leisure and sports associations works. Considerably the number of the students who are actively participating in collegial bodies grew.

Employment of graduates by chair in general is traced. Due to the high need of the region for pedagogical shots annually from educational institutions of the city and area demands for

employment of graduates arrive. According to AT and T chair employment of graduates in 2013 I made in the specialty 5B073100 "Health and safety and environment protection" 100%, in 2014 – 60%; in 2015 - specialty 6M073100 "Health and safety and environment protection" in 2013 – 100%, in 2014-100%, in 2015 - 100%.

According to VE chair employment of graduates in 2013 I made in 5B012000 "Vocational education" of 100%, in 2014 – 82%, in 2015 - 95%; the specialties 6M012000 "Vocational education" in 2014 - 100%, in 2015 - 100%

At the same time, the commission notes an insufficient level of development of external academic mobility of students and attraction them to research activity and implementation of projects.

Members of ECE recommend:

- to intensify participation of students in research activity;
- to expand geography of higher education institutions for ensuring the academic mobility of students;
- to increase the level of knowledge of students of the made decisions of collegial bodies on management of EP.

ECE notes that by 10 criteria of this standard the higher education institution has strong positions, by 5 criteria – satisfactory.

5. "Resources Available to Educational Programs" standard

Material support of educational process for realization of EP 5B073100 "Health and safety and environment protection", 6M073100 "Health and safety and environment protection", EP 5B012000 "Vocational education", 6M012000 "Vocational education" is presented in the following infrastructure: multimedia computer class, resource center of English, multimedia class, specialized audiences. The multimedia computer class includes the following equipment: 16 computers, interactive projector.

The library of university has a computer class with access to the RIEL, UE bases at NCSTI. In all territory of higher education institution free Wi-Fi functions. On the page of the university portal "electronic editions" there are directory and methodical materials. Access for students to computers isn't limited during the working day. To electronic resources of library remote access functions.

On the disciplines taught by ATandT chair, book providing makes:

- EP 5B073100 "Health and safety and environment protection" – 1800 copies of books, including in the Kazakh language – 1107 units;

- EP 6M073100 "Health and safety and environment protection" – 810 copies of books, including in the Kazakh language – 345 units.

On the disciplines taught by VE chair, book providing makes:

- EP 5B012000 "Vocational education" – 33473 copies of books, including in the Kazakh language – 26732 units;

- EP 6M012000 "Vocational education" – 13473 copies of books, including in the Kazakh language – 9732 units.

Security with educational literature in "Vocational education" on digital carriers makes - 40%.

KazNAU edits and issues the scientific magazine "Researches, Results". Electronic versions of magazines are available and settle down on a portal of KazNAU.

Results of RW, texts of final works and theses are passed through "AntiPlagiat" system.

Faculty of chairs have possibility of support of KazNAU which are trained directory and methodical materials of an educational program on a portal.

Students of internal and correspondence offices are trained in the off-line and on-line mode. Consultations with use of ICT are held by teachers and the staff of the centers of training by means of additional software of communication (for example, "Skype", "Mail.ru the Agent"). Use of the personal computer and the innovative software is available to teaching disciplines of a professional cycle (a miss. 615, 682, ...).

Reviews of control and certification works of students of a correspondence department are uploaded by teachers to the website of KazNAU (www.KazNAU.kz).

For students of distance learning all types of control are carried out virtually. Estimates for the current and control test are published on the site of KazNAU. On the basis of results of the current and control test in the certification sheet the mark is put down. Total control of progress of students is carried out by means of computer testing and the oral survey conducted in audiences of university. Results of certification and total control contain on the information and education Platonus portal.

Information on all students of university and results of their educational activity are brought in a uniform database of the information and education Platonus portal placed on the server of a corporate network of HIGHER EDUCATION INSTITUTION. After release of students their personal records are archived and remain on the server.

The management of KazNAU promotes improvement of competences faculty of chair in the field of remote information technologies of training. Faculty participates in the seminars and scientific and practical conferences devoted to questions of introduction of innovative information technologies in educational process. Monitoring of development and use of PPS of IT technologies of training and existence of certificates is carried out.

Chairs show reflection on a web resource of information characterizing the realized EP, efficiency of its use for improvement of EP. On a portal of HIGHER EDUCATION INSTITUTION (Platonus) there are personal pages for faculty (Private office).

The site www.KazNAU.kz "The health and safety and environment protection", 5B012000 "Vocational education" gives opportunity of placement of various publications, reviews of visitors of the site of realization of EP of specialties 5B073100 "Health and safety and environment protection", 6M073100, 6M012000 "Vocational education" the Information Internet is used for informing the public.

Important factor is copyright compliance at placement of educational and methodical providing in open access.

Information and communication technologies are the tool raising independent opportunities trained and giving the chance to the teacher to exchange experience and to improve the skills, without leaving the office.

100% of faculty and 70% of students are registered on the site of the communication G-global platform.

At the same time it is possible to note insufficient quantity of modern educational and methodical literature in foreign languages on educational programs; insufficient number of electronic and multimedia programs for studying of languages.

Members of ECE recommend further improvement of material equipment of educational programs.

ECE notes that by 12 criteria of this standard the higher education institution has strong positions, by the 20th criterion the satisfactory.

6. Standards in a section of separate specialties

The maintenance of EP 5B073100, 6m073100-health and safety and environment protection, 5B012000, the 6m012000-vocational education is interfaced to formation of qualitative and steady competences of area of industrial safety, environmental protection and health and safety, professional and technical education.

Educational, production, externship, pedagogical and research practices of WCD of specialties are urged to give trained an idea and to impart skills of the scientific organization and to strengthen interest in professional activity, to form and expand a complex of professional abilities, practical experience and skills in the specialty.

ECE notes that by 5 criteria of this standard the higher education institution has strong positions, 4 – satisfactory.

7. Recommendations about educational programs

For improvement of processes of management of educational programs the commission recommends:

1. To strengthen work on development of polylingual formation of EP 6M073100, 5B073100-health and safety and environment protection, 5B012000, the 6m012000-vocational education.
2. To speed up work on involvement of the leading foreign and domestic scientists within the academic mobility.
3. To provide possibility of professional certification of the trained
4. When carrying out examination of educational modules to focus attention to logic of association of disciplines in modules and observance of their continuity at courses.
5. To organize work on realization of joint educational programs with domestic and foreign higher education institutions.
6. To increase a share of faculty participating in research activity and implementation of scientific projects.
7. To develop a package of measures on increase in number of articles in magazines with an impact-factor.
8. To intensify participation of students and undergraduates in research activity.
9. To expand geography of higher education institutions for ensuring the academic mobility of students.
10. To improve material equipment of educational programs.

RECOMMENDATION TO ACCREDITATION COUNCIL

Members of an external commission of experts came to unanimous opinion that educational programs 5B073100 "Health and safety and environment protection", 6M073100 "Health and safety and environment protection", 5B012000 "Vocational education", 6M012000 "Vocational education" of the Kazakh national agricultural university can be accredited for a period of 5 years.

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