



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

about results of work of external commission of experts on assessment
on compliance to requirements of standards of specialized accreditation of educational
programs specialty 0911000 – "Technical operation, service and repair of the electric and
electromechanical equipment"
0902000 – "Power supply"
0906000– "Heat power installations of thermal power plants"

State Educational Establishment "South Kazakhstan Polytechnic College" Educational
Department of South-Kazakhstan region

from May "14" to May "16", 2018.

South Kazakhstan 2018

INDEPENDENT AGENCY OF ACCREDITATION AND RATING
Experts of External commission

**It is addressed
To accreditation
to council of IAAR**



Независимое агентство
аккредитации и рейтинга

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CONTENTS

- (I) INTRODUCTION 4
- (II) REPRESENTATION OF EDUCATION TO THE ORGANIZATION 5
- (III) DESCRIPTION OF THE PREVIOUS PROCEDURE OF ACCREDITATION 8
- (IV) DESCRIPTION OF THE VISIT OF ECE 9
- (V) COMPLIANCE TO STANDARDS OF SPECIALIZED ACCREDITATION 14
 - 6.1. Management of the Educational Program standard 14
 - 6.2. Specifics of the Educational Program standard 17
 - 6.3. "Pedagogical Collective and Efficiency of Teaching" standard 21
 - 6.4. Students standard 24
 - 6.5. "Resources Used at Implementation of Educational Programs" standard 28
 - 6.6. "Standards in a Section of Separate Specialties" standard 30
- (VI) THE REVIEW OF STRENGTHS / THE BEST PRACTICE ACCORDING TO EACH STANDARD 33
- (VII) REVIEW OF THE RECOMMENDATION ABOUT IMPROVEMENT OF QUALITY 34
- (VIII) REVIEW OF THE RECOMMENDATION ABOUT DEVELOPMENT OF THE ORGANIZATION OF EDUCATION 35
- (IX) RECOMMENDATION TO ACCREDITATION COUNCIL 35

LIST OF DESIGNATIONS AND REDUCTIONS

- 1ECE – external commission of experts;
- 2SOSE - state obligatory standard of education;
- 3SUSC –state utility state company;
- 4ICT - information and communication technology;
- 5MES – Ministry of Education and Science;
- 6IAAR- independent agency of accreditation and rating;
- 7EP – educational program;
- 8MSH – membership;
- 9RK - Republic of Kazakhstan;
- 10WC - working curriculum;
- 11Mm – mass media;
- 12LLP - limited liability partnership;
- 13TaPE – technical and professional education;
- 14SC - standard curriculum;
- 15SKPC - "South Kazakhstan polytechnical college"
- 16APAQ - Assessment of level of professional readiness and assignment of qualification
- 17ACS - automated control system
- 18LDC - library and bibliographic classification
- 19HEI - Higher educational institution
- 20-IPD and DRP ES – Institute of professional development and retraining of personal of education system
- 21CAY – Committee on affairs of youth
- 22SCC- subject and cyclic commission
- 23RSE – Republican state enterprise
- 24RK – Republic of Kazakhstan
- 25EMC - Educational and methodical complex
- 26WTP- working training program
- 27JD- job description
- 28PD-provision on division
- PC -Pedagogical Council
- AMA - administrative and management apparatus
- 31EW, TW – educational and training work
- 32IPW – industrial practice work
- QMS- quality management system

(I) INTRODUCTION

According to the order of the Independent agency of accreditation and rating from 4/28/2018 of year No. 44-18-OD during the period the visit of external commission of experts to GKKP "Southern Kazakhstan Polytechnical College" Department of education of the Southern Kazakhstan area, for the purpose of carrying out assessment procedures of compliance to standards of institutional and specialized accreditation of NAAR has taken place from May 14 to May 16, 2018. The report of external commission of experts (further – ECE) contains assessment of compliance of GKKP "Southern Kazakhstan Polytechnical College" Department of education of the Southern Kazakhstan area to criteria of the NAAR standard, recommendation of ECE about further improvement of work.

Structure of EEC:

1. The chairman of the commission is Tatibekov Sanjar Meir Khanovich, the head of department of strategic development and monitoring of the NAO holding “Kasipkor” (Astana);
2. The foreign expert – Tayirov Mitalip Muratovich, professor of the Batken state university (Kyzyl-Kyya, the Kyrgyz Republic);
3. The expert is Beysetbayev Asylkhan Kosylkhanovich, the deputy director for studies of SUSC "Almaty State Polytechnical College" (Almaty);
4. The expert is Enkenov Bauyrzhan Bolatkhanovich, the deputy director for innovative technologies of SUSC "Taldykorgan College of the Industrial Industry and New Technologies" (Taldykorgan);
5. The expert is Nurzhan Nurly Nurzhanovna, the deputy director for studies of KGKP "Atyrau Polytechnical College of S. Mukashev" (Atyrau);
6. The expert is Tugerova Gallia Berdibayevna, the Deputy director for scientific and methodical work of SUSC "Mangystau Power College" (Aktau);
7. The expert is Zhubandykova Zheniskul Umirtayevna, PhD in Technological Sciences, the teacher of special disciplines of the Aktyubinsk polytechnical college (Aktobe);
8. The observer from the Agency – Bekenova Dinara Kairbekovna, the project manager on accreditation of the TaPE IAAR organizations (Astana);
9. The employer is Tursynbekova Madina Tausultanovna, the head of department of the human capital of Regional Chamber of businessmen of SKR (Shymkent);
10. The student – Rakhymbay Ayken Sakenkyzy, the 2 year student of the specialty "The organization of transportations and traffic control on transport (on branches)" SUSC "Shymkent College of Transport, Communications and New Technologies" (Shymkent).

(I) INTRODUCTION

According to the order of the Independent agency of accreditation and rating from 4/28/2018 of year No. 44-18-OD during the period the visit of external commission of experts to SUSC "South Kazakhstan Polytechnic College" Department of education of the South Kazakhstan area, for the purpose of carrying out assessment procedures of compliance to standards of institutional and specialized accreditation of IAAR has taken place from May 14 to May 16, 2018. The report of external commission of experts (further – VEK) contains assessment of compliance of SUSC "South Kazakhstan Polytechnic College" Department of education of the South Kazakhstan area to criteria of the IAAR standard, recommendation of EEC about further improvement of work.

(II) REPRESENTATION OF EDUCATION TO THE ORGANIZATION

The state utility company the South Kazakhstan polytechnic college" Department of education of the South Kazakhstan area (further -SCPC) historical has been founded 1934. As in 1934 within industrialization of the Soviet Government the Shymkent mining and metallurgical technical school has been created. In different years of SCPC has been transformed.

SKPK is organized on the basis of the resolution of akimat of SKR of June 18, 1997, the decision No. 140, by merge of the Southern Kazakhstan college of power and business (1971) and the Shymkent polytechnic college.

Activity of SKPC is carried out on the basis of the Charter approved by the resolution of akimat of the South Kazakhstan area of January 23, 2015 No. 13, the certificate of the state re-registration of the legal entity of the April 13, 2016 which is given out by Department of justice of SKR and also according to the Law of RK "About Education" of July 27, 2007, No. 319-III, Standard rules of activity of the organizations of technical and professional education approved by the resolution of the government of RK of May 17, 2013, the order No. 499, to the State obligatory standards of education on TaPE (further - SOSE), the State program of development of education and science of RK for 2016-2019 and other normative legal acts regulating the system of technical and professional education. The owner of SKPC is the Akimat of the Southern Kazakhstan area. Authorized body of SKPC is the Department of education of the region. Form of ownership – state.

SKPC works at the basis of the license No. KZ16LAA00006897 granted by Department on control in education of the Southern Kazakhstan area of May 25.04, 2016 without restriction term.

The supporting document about existence of own educational material and technical resources is the State acts on the right of continuous use of the earth. In 2013 SKPC has successfully undergone the State certification and has confirmed the State license on the certified specialties (The order of Department on control in SKR No. 751/18 education of 18.11.2013).

SKPC realizes the programs of technical and professional education (further – TaPE) allowing students to gain practical skills on adjacent specialties of professional and technical education.

2007 of SKPC the Certificate of conformity to requirements (QMS) in relation to rendering services in the sphere of technical and professional education has been received. In 2017 SKPK has undergone the procedure of recertification and has received the Certificate of conformity to requirements of ST of RK ISO 9001-2016 (ISO 9001:2015) "A quality management system. Requirements", No. 00069153 (it is valid till December 26, 2020).

The college carries out training of the expert of an average link, demanded to national economy.

The college conducts training on the following accredited specialties:

Code and name of specialty	Code and name of qualification	Term of training at base of the 9th class	Term of training at base of the 11th class
0911000–«Technical operation, service and repair of the electric and electromechanical equipment»	091101 3 electrician	3 y. 10 m.	2 y. 10 m.
0902000 – "Power supply" (on branches)	090203 3 electrical technician	3 y. 10 m.	2 y. 10 m.
0906000 – «Heat power installations of thermal power plants»	090603 3 technician-power engineering specialist	3 y. 10 m.	2 y. 10 m.

Preparation is conducted on internal and correspondence forms of education, training languages – state and Russian.

The general contingent on the accredited specialties for September 1, 2017-2018 academic year made 571 persons, 580 by the state order, 412 on a commercial basis.

For realization of a mission of college, purposeful achievement of strategic objectives and tasks, providing high-quality educational services and implementation of effective activity, in college there is all necessary infrastructure

of modern material and information resources, a highly qualified engineering and pedagogical personnel.

At the time of check the number of the International Party of Russia of the accredited specialties is 27 employees, an indicator of a share of regular teachers - 100%. The qualitative structure of the International Party of Russia - 29,6% (5 teachers have the highest qualification category and the first category-3).

The college has the corresponding material and technical resources: it is the three-storyed educational case with more than 66 offices and laboratories where there are 15 computer classes, a methodical office, the assembly hall on 336 places, library with the reading room on 80 places, the gym, the dining room on 150 places, a first-aid post, the laboratory and production case with 4 workshops: metalwork and mechanical, wiring and electric.

In college there are 6 language laboratories, 25 classes with interactive boards, 30 multimedia offices and also an office robotics with 8 sets. Computer classes are equipped with 430 computers of the last modification. The college is connected to internet network, has good base of electronic office equipment and also the Wi-Fi network functions.

All educational audiences are equipped and equipped with necessary technical means of training, visual aids, and library - educational and methodical and scientific literature.

According to QMS enter into structure of college: The 7th offices with internal and correspondence forms of education and the 13th departments (the cyclic commissions), educational, production, educational and methodical and service to information technologies and also economic activity and material technical service. For years of work of college tens of thousands of experts who found application for the professional qualities in various branches of the production sphere were produced.

The college carries out training of specialists in close interaction with the main employers of area and region: "Petro Kazakhstan Oil Products" LLP, HILL Corporation LLP, JSC 3-Energoortaly, AvtomatikaPriborRemservice LLP, ShSPAvtomatprom LLP, AzalaTextile LLP, TectumEngineering LLP, JSC Shymkent signal zhanebaylanysdistantstiyasy, LKS Service LLP, JSC Transtelecom, Shymkent қ. Ішкісаясатбөлімінің "Жастарресурстықорталығы" КММ, JSC NSK, "ОңтүстікЖарықТранзит", LLP, Energotok LLP, Elektroapparat LLP, JSC Shymkent Airport, "Қуатжылуорталық" " GKP, Национальнаякомпания "ҚазақстанТеміржолы", "Alma TV " LLP, JSC "ЭЛМО", "Berkut IT", "Pro-IT Kazakhstan" and others. The college has the contract more with 80 enterprises. All this allows to build work on preparation and distribution of graduates directly with consumers.

Indicators of employment reflect positive dynamics that demonstrates demand of graduates of college and high quality of training of specialists. Employment of graduates of internal office makes 85% (release of 533 people, of them the 455th persons are employed).

The main sources of information on activity of the Highest college are: official www.ukpk.kz website.

(III) DESCRIPTION OF THE PREVIOUS PROCEDURE OF ACCREDITATION

The state utility company of Southern Kazakhstan polytechnical college" Department of education of the Southern Kazakhstan area for the first time undergoes the procedure of specialized accreditation of the TaPE organizations.

(IV) DESCRIPTION OF THE VISIT OF ECE

ECE visit to SKPC was organized according to the program which is in advance agreed with the chairman of VEK and approved by the principal during the period from May 14 to May 16, 2018.

For the purpose of coordination of work of ECE in SKPC the adjusting meeting during which powers between members of the commission were distributed took place, the schedule of a visit is specified, consent in questions of the choice of methods of examination is reached.

ECE meetings with target groups took place according to the specified visit schedule, with observance of the established temporary interval. From the SKPC group presence of all persons specified in the visit schedule and also full assistance to actions of experts was provided.

During the visit, except work with target groups, conversations with students and teachers of college in educational audiences, graduates, parents and employers (Table 1) took place. In total 348 people participated in meetings.

Table 1. The information about workers and students and other persons who participated in meetings with ECEIAAR:

Category of participants Quantity

Category of participants	Quantity
Director	1
Deputy of director	5
Manager of office / teaching department	8
Chairman of department / methodical association	13
Methodologist	1
Chief accountant / economist	2
Manager of human resources department	1
Teachers and training officers	75
Other workers (the lawyer, social - the psychologist, the	6

psychologist, отв. the secretary of the selection committee managing first-aid post, the librarian)	
Student	108
Graduate	65
Social partner	21
Parents of students	42
Only	348

Documentation of the cyclic commissions, offices, the departments realizing the accredited educational programs is also studied.

Bases of practice were visited. At visit of Ai Service Trans LLP (the enterprise the engaged assembly and realization of various electrotechnical production of the electrical networks used for installation), experts got acquainted with material and technical resources of the enterprise, visited shops in which students undertake professional internship. Representatives of ECE were met by the chief of the assembly site Istleuov Alzhan Abiddullayevich who told about requirements to probationers, about process of practical training and other aspects of interaction with SUSC "South Kazakhstan Polytechnical College". During visit in the erection shop of the enterprise internship was undertaken by 8 students of specialty 0911013 "Technical operation, service and repair of the electric and electromechanical equipment" of the 8th student 3 courses: groups 352 Ganiyev Temirkhan, Tursunkhozhayev Alisher, Karimzhanov Davranbek, Shavkatov Khalil; groups 353 AkkulBagulan, Amangeldiyev Azamat, Seyduala Rustem, Daniar Daulet and in the specialty 0902000 – "Power supply" of the 10th student 3 courses of group 3051, Alimkhanov Baurzhan, Zhanabay Rauan, Kulanov Ibiray, Mametzhan Asylzhan, Moldan Bauyrzhan, Mynzhasar Sunbai, Pernesh Tursynbek, Turgymbayev Bekzhigit; groups 3052 Aytzhan Rustembek, Shirinkhan Zhanserik.

Employers note good theoretical and practical training of students of college, discipline, interest in receiving professional and excellent learning ability and aspiration to receiving a profession at most of students. The student of group 353 of Seyduala Rustem has noted that to him for diligence, responsibility and for good discipline pay the salary of 50000 tenges.

Also have expressed the recommendation more attention to turn on a possibility of introduction into educational process of studying of subjects or disciplines on bases of relay protection; readiness to give a practical training on the basis of the enterprise with acceptance to 25 students if the college agrees once a week occupations to organize on their base.

During visit of «КазЭЛМАШ» LLP the deputy director Kenesbayev Nurbol Zhanatovich has met members of ECE. The evidence of passing of a work practice has been obtained, the mentor is allocated to each probationer. Students do practical training on two shops "The Shop on Production of Section of Windings" and "Shop on Repair of Electric Motors". In the specialty 0911013 "Technical operation, service and repair of the electric and electromechanical equipment" 6th student 3 courses: groups 352 CherchenkoVsevolod, Medvedev Konstantin, Sharikov Roman, Miroshin Alexander, Yunusov Timur, Inagamzhanov Zhavokhir; in the specialty 0902000 – "Power supply" of the 5th student 3 courses of group 3051 BalabekovAbilhair, Karimzhan Zhomart, Kosherbay Doszhan, Kuatbek Ertileu, Ni Oleg did practical training.

The discussion with students about conditions of the organization of practice, by satisfaction with jobs, work of mentors and in general interest in the chosen profession has been led, there were received affirmative answers, both employers and students have noted an opportunity to remain after completion of training. Representatives of the enterprise have expressed interest in long-term cooperation with this college on training of qualified personnel for the production, have noted readiness to participate in correction of contents of working curricula and programs of college according to requirements of production, to keep the management of degree projects of students.

Members of ECE have visited the JSC 3-Energortalyk enterprise which is a social partner in the specialty 0906000-"Heat power installations of thermal power plants". JSC 3-Energortalyk - the large industrial enterprise Shymkent which enters: CHPP-3, 5 boiler rooms, 2 pump stations. The Shymkent CHPP-3 has been constructed for heat supply of the Shymkent Tire plant and the Shymkent oil refinery therefore it is located in the industrial zone at considerable distance from the housing estate. After termination of work of the Shymkent tire plant and transition of Shymkent oil refinery to own sources of heat supply, with input in 1998 of the high-level thermal networks "CHPP-3 — the City" and in 200 heating mains "CHPP-3 – the Southern part of the city" Shymkent is provided with heat and hot water from a heatsource of JSC 3-Energortalyk. In 2018 the controlling stake was acquired by the Euroasian group (ERG). On the basis of the enterprise students of specialty 0906000-"Heat power installations of thermal power plants" do practical training.

At the time of visit experts have got acquainted with material and technical resources of the enterprise, have visited shops: boiler-and-turbine, chemical water purifications and others in which students undergo professional practice. Have been informed of orders on acceptance practice, schedules of practical training, magazines of passing of safety measures.

During visit of the boiler-and-turbine shop of the enterprise students 3 courses of specialty 0906000 - "Heat power installations of thermal power plants", groups 651 in number of 7 people did practical training: Bugybaev Ersultan, Verevkin Roman, Esenbek Baglan, Zholdasov Zamankhan, Kulmanov Adilet, Savin Nikita and Ablay Narzhan.

Employers note good theoretical training of students of college, discipline, interest in receiving professional and aspiration for receiving a profession at most of students.

The discussion with the deputy chief on operation of the boiler-and-turbine shop of I.M. and the deputy head of the department Usenov A. about practical training of students, about satisfaction of theoretical training of students, about cooperation of the enterprise with college, about collaboration in development of the working curriculum of specialty, coordination of working programs of professional practice, degree subjects.

There is a wish to note, about those experts who participate in the structure of the State qualification commission of specialty 0906000 "Heat power installations of thermal power plants": Ibrayev Tolebek Dzumatayevich is the shift supervisor of power plant of ODS JSC 3-Energortalyk, Apetanov Abdusattar Abdigapparovich - the deputy head of local heat sources of JSC Energocentre-3 Shymyrkulov Kalkabek Uksikbayevich-general foreman of JSC Power Center-3. Members of ECE have visited the enterprise GKP "Kuatzhyluortalyk-3" by activity of which operation, transportation and realization of thermal and electric energy are.

On the basis of the enterprise 3 courses, specialties 0906000-"Heat power installations of thermal power plants" do practical training 8 students. Have met members of VEK the chief engineer Sabitov P and the operation engineer Altynbekov A. Was made a discussion with students of group 651 of specialty 0906000-"Heat power installations of thermal power plants" who do practical training on receiving a profession Atakhanov Erbolat, Arysabay Nurbolat, Askar Aktilek, Abdukadir Akzhol, Absattar Danagul, Abit Gabit, Aueskan Balnur and Koldasbekuly Olzhas.

Representatives of a new boiler room has expressed interest in long-term cooperation with this college on training of qualified personnel for the production, have noted readiness to participate in correction of conBy members of ECE also it has been visited a new boiler room with the modern German equipment which gives 160 Gcal/hour. Only those houses which were built by "The Kazakhstan mortgage company" and in the next few days the residential district "Nursat" together with the administrative business center are connected to the centralized heating today will receive heat from a new boiler room. The new boiler room has no analogs in Kazakhstan. The engineer of the enterprise Myrzagulov N. has told

about the boiler room power which can provide warm 85% of the population of the regional center. Today are connected only one copper from five with the set power of 32 Gcal/hour. Except 5 main, one more 2-ton copper, with a possibility of supply with thermal energy is ready the whole 2 months to work. It should be noted that the high-quality equipment installed in a boiler room of production of the German company "BOSCH". Coppers of the foreign producer have considerable advantages: each of them has two independent spherical pipes and represent two coppers, integrated by a hydraulic part, on 19 MW that allows to carry out adjustment of productivity. The maximum settlement service life of a copper, in turn, provides uninterrupted giving of heat to inhabitants of the inhabited Nursat array for several decades.

The graduate of 2015 of specialty 0906000-"Heat power installations of thermal power plants" works at this boiler room.

Representatives of a new boiler room has expressed interest in long-term cooperation with this college on training of qualified personnel for the production, have noted readiness to participate in correction of contents of working curricula and programs of college according to requirements of production, to keep the management of degree projects of students working curricula and programs of college according to requirements of production, to keep the management of degree projects of students.

Members of ECE have attended studies on the accredited educational programs. Group 374y class, a course 2 (0911013 "Technical operation, service and repair of the electric and electromechanical equipment"), on discipline of "A basis of industrial electronics" on the subject "Research of the Powerful Rectifier" is attended. This discipline was carried out by the teacher of special disciplines of Nysambekova A.K. Classroom is equipped with the multimedia equipment (a projector, the screen, columns), an educational board and laboratory stands. The subject occupation corresponds with the working program, the calendar and thematic plan, in the course occupation the structure occupation according to the plan of a lesson has been sustained. While certain students performed laboratory work in workplaces (a suitcase about electric stands) other half wrote in laboratory copybooks of a task, the description of laboratory work. Classes are given in two languages Kazakh and Russian, students actively answered questions of the teacher. Occupation has achieved the objectives.

Practical class in group 374y, a course 2 (0911013 "Technical operation, service and repair of the electric and electromechanical equipment"), on discipline of "An electric drive basis" on the subject "Check of Engines on Heating for Various Operating Modes by Methods of the Theory of Heating and Equivalent Sizes" is attended. This discipline was carried out by the teacher the master, Tattibayeva

Aydana Mukhamediyarkyzy, at a lesson there were 22 students, 3 students were absent. The office is equipped with the multimedia equipment (a projector, the screen, columns), a student's board and active distributing materials. All educational planned documentation are available (the register, WTP, CTP, plan of the lesson), are written in Russian. The lesson was carried out in two languages: Kazakh and Russian. The teacher didn't use fully resources which are necessary when holding this practical lesson, the video record didn't correspond to scope of lesson. There was methodical no recommendation about performance of a practical training. The lesson has passed on well.

Class in group 361, 2 course (0911013 "Technical operation, service and repair of the electric and electromechanical equipment on discipline "Электротехниканың теориялық негіздері" is attended. Classes were given by the teacher 2 categories of Akhmetova Akerke Sakenovna on the subject "Электр тізбегін есептеудің символикалық ". Classes were given in a specialized room, all there were 23 students from 25 students.

The educational planning documentation full, occupation has taken place according to the plan of a lesson.

Students actively took part in process of implementation of the solution of practical tasks with complex numbers.

ECE have attended studies on the accredited educational program. Group class 661 students 2 courses, specialties 0906000-"Heat power installations of thermal power plants" on discipline "Theoretical bases heating engineers" on the subject "Determination of Final Temperature of a Surface of Heat Exchange" is attended. Occupation type - practical. At occupation there were 20 students. This discipline carried out the teacher of special disciplines, the highest category having an experience 33 years - ShorayevaKaliyaKanayevna. There are no absent students at the lesson. The office is equipped with the multimedia equipment, an educational board and posters.

The subject occupation corresponds to the working program and calendar thematically of this discipline. The plan of a lesson is approved by the chairman of RSE. Communication of the teacher with students good, they took active part at discussion of a subject, answered questions, discussed a conclusion of a final formula and the schedule of change of temperature of heat carriers. For material fixing with the teacher cards with independent-level tasks have been used. The result of a lesson is summed up and all actively participating students are estimated. Occupation has achieved goals.

The enterprise readiness of acceptance on acceptance for work has marked out students during practice.

The analysis of visit of occupations confirms satisfactory qualitative teachers, sufficient theoretical level of training. On occupations teachers use modern technologies of training. Systematically improve skills. The analysis of activity of teachers of college confirms aspiration of collective to improvement of high-quality development of college.

Within the planned program primary main recommendations about improvement of activity of college developed by EEC following the results of examination have been submitted at a meeting with the management of college. To the management of college at a final meeting it has been explained, about the subsequent procedures.

The actions planned within the visit have allowed members of EEC IAAR to carry out independent assessment of compliance the given, stated account on a self-assessment of college, criteria of standards of specialized accreditation.

The detailed analysis of compliance of activity of SKPC to Standards of specialized accreditation of IAAR has allowed EEC within the program of visit of college to draw the following conclusions in a section of standards.

(V) COMPLIANCE TO STANDARDS OF SPECIALIZED ACCREDITATION

6.1. Management of the Educational Program standard

Management and realization of OP on specialties on specialties 0911000 - "Technical operation, service and repair of the electric and electromechanical equipment (by types)", qualification: 0911013 - "Electrician", 0902000 - specialties "Power supply" (on branches), qualification: 0902033 - "Electrical technician" and 0906000 - "Heat power installations of thermal power plants" qualification: 0906033 - "Technician-power engineering specialist" is carried out according to standard and legal documents of the Republic of Kazakhstan, the license No. KZ16LAA00006897 granted by Department on control in education of 25.04.2016 and the plan of Strategic development of the Southern Kazakhstan polytechnical college for 2018-2022 in which the mission, the purposes, tasks are defined.

The plan of strategic development of college was developed by the special working group, discussed at all levels and approved at a faculty meeting of collective. Further bases of strategic planning were sent to structural divisions and the directions of functional process of activity of college.

The mission of the South Kazakhstan polytechnical college is agreed with vision of educational institution, carries out training of the qualified and competitive experts conforming to modern requirements in the sphere of information technologies, communication, power engineering specialists, automation of the oil and gas industry.

When forming a mission, the purposes and tasks of college its personnel potential and also a long experience of activity in the educational sphere are considered.

The control system of formation of college is directed implementation of activity, accepted at a faculty meeting, a mission and strategic objectives of college. Assessment of quality of department of education and management is carried out through a faculty meeting, the Board of trustees, meetings at the director, poll among employees and students, employers, orders of the director.

The control system of quality in the SouthKazakhstan polytechnical college was introduced in 2007 and now provides high-quality implementation of all kinds of activity of the educational sphere.

The purpose of introduction of QMS in educational institutions consists in providing a guarantee of improvement of quality of training of competitive experts and a requirements satisfaction of modern labor market.

In 2017-2018 academic year the college passed to the new standard at number CT RK ISO 9001-2016 (ISO 9001: 2015). The staff of college is informed of requirements of the new standard and features of the focused receptions - risks of internal audit, management processes and also developed necessary documentation for a quality management system.

In December, 2017 specialists of Turan Business Group LLP carried out quality check of formation of college by inspection audit. As a result of check the college received the certificate of conformity to requirements of CT RK ISO 9001-2016 (ISO 9001: 2015)(ISO 92,3% of students are completely satisfied with the carried-out tests and examinations.

The purpose of the educational program of the accredited specialties is training of technical and educational specialists. For achievement of this purpose work on several directions, including target formation of the contingent of students, the specialized theoretical and practical training of students in the course of training focused on demand in the field of country power is conducted.

Graduates of the educational program are the competitive experts corresponding to requirements of labor market and have an opportunity to continue education in higher educational institutions

Content and volume of educational programs for the accredited specialties corresponds with the standard curriculum and standard training programs. When developing working curricula skilled teachers and representatives of social partners took part in the working group.

For realization of EP on the accredited specialties in college there are rather material, information and library resources, but the material and technical resources demand updating according to production realities. A basis for realization of EP for the purpose of training of the competitive, competent graduate

are the equipped specialty material and technical resources. Material, educational and methodical providing EP conforms to the standard requirements established by authorized body of the Republic of Kazakhstan in the field of education. Offices and laboratories are equipped with interactiveboard, technical means of training, visual aids, laboratory stands and installations. The application from teachers of special disciplines is annually submitted on modern, stands and the equipment which are required for realization of practical and laboratory works. Professional practice is the EP obligatory component and is directed to fixing of knowledge gained in the course of training, acquisition of practical skills and development of the best practices. The working training programs developed by teachers of special disciplines industrial practice, technological and predegree the practician are considered at SKPC meetings, then are approved as the head of college.

Management of EP includes monitoring and processes of the reporting according to standards of TaPE and a quality management system which provide interaction of structural divisions of college. List of documents: semester results (a form 2p, summary sheets, results of obligatory examinations, the sheet of accounting of the class periods which are missed by students, the social passport of group). Information for interested persons on work of SKPC, professional orientation work, PTA meetings, questioning of students and graduates of specialties is available via the website of college.

When forming the development plan for EP employers take part. During passing of a work practice heads the practician from college with heads from the enterprise in common consider EP and make changes to the educational schedule taking into account the schedule of repair, reconstruction and modernization of installations and the equipment, introductions new technologies and technological lines and also on the basis of the recommendation from the enterprise.

Indicator of effectiveness of realization of EP is the high-quality release of students and percent of their employment. The analysis of the accredited specialties has shown high percent of employment of graduates (98-100%) that is confirmed by existence at departments of the form of a job placement. The highest level of employment of graduates even before completion of training during passing of a work practice. For example: on the accredited specialties of «Шиелі –жарық» LLP TurganbayevAmirzhan, «Оңтүстік Жарық Транзит» LLP UtimovAlibek, BeyseevSagymbek in 2015-2016 academic year in 0902000 "Power supply" (on branches) and «Оңтүстік Жарық Транзит» LLP TemirkhanAdilkhan, «Ай Сервис Транс» LLP MamekovKaysar in the specialty 0911000 "Technical operation, service and repair of the electric and electromechanical equipment (by types)", CHPP-3 NurdildaBaykadyr, the hotel«Астана» and SadirbekAkhan in the

specialty "0906000 "Heat power installations of thermal power plants"" 2015-2017 academic year.

Organizational and administrative documentation accurately defines responsible for business processes, unambiguously distributes personnel functions. For example, all workers have accurately outlined circle of the obligations and the rights reflected in duty regulations of the manager of office, the chairman of the subject cyclic commission, the teacher of general education disciplines, the teacher of special disciplines, the curator of educational group, the laboratory assistant. Informing workers with duty regulations is conducted by the chairman of SCC at employment with a mark in a leaf of acquaintance.

SKPC of the accredited specialties implements the annual plan directed to realization of a question of improvement of quality of knowledge.

In academic year of a meeting it is carried out at least once a month. The following types of documents are prepared and approved: guide to the subject and cyclic commissions, duty regulations of the chairman of the subject and cyclic commission, duty regulations of teachers of special disciplines, duty regulations of managers of offices, laboratories and workshops, methodical recommendations for implementation of academic year and degree projects. Teachers of SCC carry out necessary documents according to the existing nomenclature: plan of work of the teacher, plan of work of laboratory and office, etc.

The maintenance of EP answers inquiries of consumers and will be coordinated with vision, a mission and the strategy of college.

The operating structure of implementation of the educational program allows to carry out training of the competent expert according to the graduate's model.

All information on management of EP is provided on the website of college available to the address www.ukpk.kz.

The system of ensuring quality of the educational program is estimated by results of successful delivery of news agency and OUPP.

For implementation of all levels of communication structural divisions are equipped with necessary means of communication, the Internet, information and normative external documents, the computer equipment. In college e-mail, multimedia technologies is widely used, there is a certain building "Galamtor" where teachers and students have Internet access.

The anonymous questioning of teachers which is carried out during ECE IAAR visit has shown that the involvement into process of adoption of administrative and strategic decisions – "very good" 71,4% and "good" – 26,8%, and one person "are rather bad" - 1,8%.

At the same time the vast majority of teachers consider that the mission and the strategy of college is successfully reflected in training programs and assessment

procedures (a total average of 98,2%). Also 100% of teachers have said that they can successfully use own strategy in the course of training.

The questioning of students which is carried out during ECE IAAR visit has shown that

- level of availability and responsiveness of the management of college is estimated as high – 89,7%;

- availability to consultation on personal problems is estimated as high-91%.

At the same time 92,3% of the interviewed students are completely satisfied with the general quality of training programs and 88,5% by training methods in general.

The vast majority of students (97,4%), are satisfied with the level of execution of these rules and the strategy of EP.

Analyzing work on the Management of the Educational Program standard it is possible to note, the success of implementation of the educational program is defined, first of all, on the basis of systematic, purposeful and effective realization of the purposes and the development plan for the educational program which, respectively, have to be the most transparent, available to all interested persons, but having summed up the results, it is possible to note that realization demands business of processes improvements and feedback with interested parties, could be implemented by activization of a forum or the blog on the website of college.

EEC notes that in educational an institution according to this standard special attention is paid to the following positions:

the TaPE organization shows extent of realization of the principles of stability, efficiency, effectiveness, priority, transparency, responsibility, delegation of powers, differentiation and independence of system of financing;

monitoring, including creation of the processes of the reporting allowing to define dynamics in activity and implementation of plans;

in the TaPE organization all main business processes regulating realization of EP have to be documented;

the TaPE organization has to show accurate definition responsible for business processes, unambiguous distribution of functions of personnel, differentiation of functions of the collegial bodies which are taking part in realization of EP;

the TaPE organization has to provide existence and effective functioning of the system of informing and feedback focused on students, workers and interested persons;

the management of EP has to show proofs of openness and availability to students, pedagogical collective, parents.

For further development and improvement of activities of college for implementation of the accredited educational programs of EEC IAAR recommends:

□ to strengthen work on processing and systematization in management processes of OP of system of collecting and the analysis of statistical data.

EEC notes that the specialized profile of college according to this standard contains 6 - strong, 15 – satisfactory and 1 - assumes improvements.

6.2. Specifics of the Educational Program standard

Educational programs for training of students for specialties it is developed on the basis:

- 0911000-"Technical operation, service and repair of the electric and electromechanical equipment of the enterprises and civil buildings" (by types), qualification 0911013 – "Electrician" of GOSO RK 4.05.032-2008, the New edition with changes No. 1 of 04.01.2012 (GOSO on specialties TIPO, the protocol of council for a problem of development of training educational programs);

- 0902000 – specialty "Power supply" (on branches), qualification 0902033 – "Electrical technician" of SOSE RK 4.05.029-2008, the New edition with changes No. 1 of 04.01.2012 (SOSE on specialties TIPO, the protocol of council for a problem of development of training educational programs);

- 0906000 - "Heat power installations of thermal power plants", qualification – 0906033 - "Technician-power engineering specialist" of SOSE RK 4.05.032-2008. The structure of EP is directed to improvement of quality of training of specialists. Content of disciplines, definition of the list of the elective courses and disciplines determined by the organization of education, development of WC, EMC D it is directed to realization of the purposes and problems of education in modern conditions.

The quality of educational services in formation of professional competence of future experts corresponding to a qualification framework and satisfaction of requirements of the market is confirmed by the following facts:

- graduates of specialties are demanded and successfully work at a factory.

The analysis of the self-report on employment has shown that in the specialty 0911000 – "Technical operation, service and repair of the electric and electromechanical equipment (by types)", qualification: 0911013 – "Electrician" in 2014-2015year – 113/109 (97%); 2015-2016 year – 58/53(84%); 2016-2017year – 67/67 (100%); in the specialty 0902000 - "Power supply" (on branches), qualification: 0902033 – "Electrical technician" in 2014-2015 year – the release wasn't; 2015-2016year – 11/11(100%); 2016-2017year – 43/42 (98%); in the specialty 0906000 "Heat power installations of thermal power plants", qualification: 0906033 – "Technician-power engineering specialist" in 2014-2015 year – 23/21 (96%); 2015-2016uch. year – 13/13(100%). In the specialty 0906000

– "Heat power installations of thermal power plants" with qualification 0081907 3
– "the technician – the power engineering specialist" the share of the employed graduates for the last 3 years has averaged 98,6%. Within EP processes of employment are implemented on the basis of the signed contracts with social partners, most of students of a final year receive offers on work already during practice.

In the specialty 0911000 "Technical operation, service and repair of the electric and electromechanical equipment (by types)" makes the contingent of students 2015-2016 – 311 people, 2016-2017uch.-323 people, 2017-2018uch.-318 persons. In "Power supply" (on branches) study 2015-2016uch. – 137 people, 2016-2017.-169 people, 2017-2018uch.-170 persons. In the specialty 0906000 the contingent has made "Heat power installations of thermal power plants" 2015-2016 – 76 people, 2016-2017 of-81 people, 2017-2018 -83 persons. The contingent of students in the specialty 0906000 – "Heat power installations of thermal power plants" in 2015-2016 – 76 people, 2016-2017 of-81 people, 2017-2018 - 83 people. Growth of number of students is observed every year.

Occupations take place in a form of lectures, a practical training, seminars. In realization of an individual educational trajectory the large role is played by independent work of students which gives especially great opportunities for satisfaction of personal inquiries, formations of the competency necessary for work in transport branch.

Training in the accredited specialties is conducted on internal and extramural studies, on state and Russian.

EP includes practical training. Students for practical training go to the enterprises of the city and region. The memorandum of social partnership is signed and bilateral close connection with the following enterprises is established: «ОңтүстікЖарықТранзит», LLP, CEO IbragimovM.Zh.; Bal-Tekstil LLP, CEO IskhakhovT.Zh.; "Southern Intersystem Electrical Networks" branch of JSC KEGOC, CEO Goldstein S. G.; «Энергопоток», LLP, CEO Sarsenbayev N.M.; JSC Shymkent Assembly Management, director Orazbayev O. K.; «ЗаводЭлектраппарат» LLP, CEO Suvorov A. S.; JSC «Энергоцентр-3» General director Turdakhunov R.M..

At the time of check according to the schedule of passing educational, production training the studying 3 courses did practical training on the basis of the contract at the following enterprises for specialties: 0911000 – "Technical operation, service and repair of the electric and electromechanical equipment (by types)" only 83 students, and them on the basis of JSC Power Center 3 of-10 people; on the basis of «ОңтүстікЖарықТранзит»LLP - 10 people; on the basis of JSC KEGOG - 6 people; on the basis of JSC Shymkentmay-3; on the basis of Ai Service Trans LLP

- 8; JSC Elektromontazh-3; Kaz Al Mash LLP-6; Energopotok LLP - 7 and on 1-2 students at various enterprises (TaukentEnergoservice LLP, Turkestan-Makta LLP, Kuat-kurylys LLP, ShymkentTemir LLP, IP Aliyeva N. A, AZALA TEXTIL LLP, Elektroapparat Plant LLP, D.CH-NOVACOM LLP, SAS-TobeTekhnolodzhis LLP, TaukentEnergoservice LLP, JSC Shardarasuelektrstansion, Astana Railway Services LLP) and in specialties 0902000 - "Power supply" (on branches) all 36th student, and them on base on ohThe program of practice includes acquaintance to modern production technologies, including, with opportunities of implementation of competence-based approach, performance of individual tasks.

The code and the name of specialties correspond to the Qualifier of professions and specialties of technical and professional, postsecondary education the PK 05-2008 State Qualifier approved and which is put into operation by the order of Committee on technical regulation and metrology of the Ministry of the industry and trade of RK No. 273 of June 03, 2008 and brought with changes and additions with the Order of Committee on technical regulation and metrology of the Ministry of the industry and the RK No. 165ot 24 new technologies of July, 2014.

Curricula and programs of training are constructed taking into account accurate determination of the logical sequence of courses of disciplines which direct cognitive activity of the educational process studying for achievement of ultimate goals – knowledge acquisition, formation of skills in the concrete field of professional activity.

The graduate's model – set of the qualities and abilities created as a result of realization of EP and formation at students of professional competence.

The purpose of creation of model of the graduate is development of the personality and high professionalism of future expert. The model of the graduate is objectively proved taking into account a mission, the purpose and strategy as in essence is an ideal image of the expert which can be prepared in college.

The choice of employers which is recruited in design and realization of OP is carried out on the basis of terms offered by the employer. The organizations have possibilities of carrying out industrial practice and professional the practicing and also these organizations are used as bases for dual training.

Representatives of these organizations are attracted in the structure of various commissions as heads of certifying commissions, reviewers.

All making EP are directed to formation at studying professional competence, skills and blocks of knowledge. Development of the professional studying represents one of main objectives of EP. This purpose is defining when developing contents and technology of training included in OEP of disciplines. These disciplines are directed to profound studying of a subject taking into account achievements and problems of modern science.

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Representatives of these organizations are attracted in the structure of various commissions as heads of certifying commissions, reviewers.

All making EP are directed to formation at studying professional competence, skills and blocks of knowledge. Development of the professional studying represents one of main objectives of EP. This purpose is defining when developing contents and technology of training included in EP of disciplines. These disciplines are directed to profound studying of a subject taking into account achievements and problems of modern science. It is possible to leave the best academic year projects for application in the educational and methodical purposes in college.

The schedule of implementation of the academic year project is controlled weekly. Protection of academic year projects (works) takes place at a public meeting of the commission where the teachers conducting a subject, the chairman of SCC and members of the administrative board of college enter

The finishing result and final assessment of realization of EP is protection of degree projects. Subjects of degree projects have to correspond to the main directions of professional activity depending on qualification of the expert, specify achievements on the organization of science, the equipment and production.

Subjects of the degree projects (with instructions of the head, consultants and time of performance) assigned to students are approved by the order of the head of establishment.

The questioning of students which is carried out during EEC IAAR visit has shown that

- 88,5% of students are completely satisfied with informing on courses, educational programs, and the academic degrees;
- 75,6% of students are completely satisfied with the clearness of submission of the program of a course;
- 88,5% of students are completely satisfied with the existing educational resources of college;
- 92,3% of students are completely satisfied with the carried-out tests and examinations.

EEC notes that in educational an institution according to this standard special attention is paid to the following positions: the TaPE organization has to show existence of the developed models of the graduate of the educational program including knowledge, abilities, skills, basic and professional competences, personal qualities;

the management of EP has to show use of advantages, specific features, requirements and cultural experience of EP studying at realization.

For further development and improvement of activities of college for implementation of the accredited educational programs of ECE IAAR recommends:

- to systematize work on updating of contents and the analysis of efficiency of changes of educational programs taking into account the interests of stakeholders.

The specialized profile according to the Specifics of the Educational Program standard contains 24 criteria, and as it is noted, has strong positions on 2 criteria, on 21 criteria satisfactory and 1 assumes improvements.

Thus, the accredited specialties completely meet mandatory requirements of this standard.

6.3. "Pedagogical Collective and Efficiency of Teaching" standard

The main resource of educational process are the teachers which consist of regular teachers and the involved experts from production.

Existence at department of the qualified pedagogical workers allows to provide students with relevant qualitative knowledge, to strengthen a position of college in

education market. The analysis of quantitative and qualitative structure of teaching personnel, and work on its improvement are an object of constant attention of the management of college.

For training of highly qualified specialists the college actively involves in educational process of workers of the profile organizations. The main criterion of involvement of practitioners is the solution of problems of integration of process of training into production activity. Representatives of the specified organizations work at office, taking part in development and realization of the main OP. Employers join in process of development of curricula, working programs of disciplines and the practitioner.

On the accredited specialties two SKPC function: SKPC of electrical power objects and heat power objects. The analysis of the samotchet and results of visit of EEC showed that in SKPC of electrical power objects 15 teachers work now, from them 3 have the highest category, 3 - the first, 8 - the second category and the 1-young specialist having the higher education. The indicator of average age of teachers is-37 years. All teachers have an opportunity to conduct occupations on two, that is in the state and Russian languages.

In SCC of heat power objects 12 teachers work now, from them 2 have the highest category, 3 - the second category and 6-young specialists having the higher education and 1 with secondary education.

№	FullName	Time	Position	Placeofpracticaltraining
1	Abzhan B.A.	From 29.01. till23.02.201 8y.	Electrical engineer	JSC«Энергоцентр-3»
2	Abdukadirova U.A.	From 16.10. потill20.11.2 017y.	Electrical engineer	LLP «АйСервисТранс»
3	Turarov D.K.	From 29.01. till23.02.201 8y.	Electrical engineer	JSC«Энергоцентр-3»

Professional development is carried out on the basis of individual plans of work of teachers. The term of professional development is established time in each 5 years. Teachers improve the skills in the republican and regional centers. The schedule for passing of advanced training courses of teachers is formed and the order on the direction on courses according to features of the taught objects is issued. Control on passing of courses on professional development of the International Party of Russia is exercised from methodical service.

The analysis of the samotchet on the accredited specialties showed that in the period of 2013-2018 on the accredited PTsK advanced training courses were

completed by only 42 teachers, from nikhrespublikansky courses there passed 22 persons.

Level of courses	Advanced training courses on academic years					
	2013-2014 academic year	2014-2015 academic year	2015-2016 academic year	2016-2017 год	2017-2018 academic year	Total
International	-	-	-	-	-	-
International	4	1	7	6	4	22
City	1	3	8	3	5	20

For support only the begun the work and young specialists in School of the Young Specialist college conducts work according to the approved plan (<http://ukpk.kz/jaspedjj/>).

Articles of teachers of SKPC are published in various magazines and newspapers, also teachers publish education guidances, educational and methodical grants as a result of the research works.

For example, articles Abzhan B.A., Abdykadyrova U.A., Kozhatayeva Zh.Z., Nysambekova A.K., Nuranova Zh.U., Tattibayeva A.M. are constantly published in newspapers and magazines.

Teacher of SCC of Abdikalykuly K. during September 09-11, 2016 on a seminar training "The organization of work and a methodological support of experts of "World Skills Kazakhstan" was trained in volume of 18 hours on competence "Wiring Works" and received the certificate, also during the period from October 24 to October 28, 2016 took part at a seminar practical work for teachers (trainers) of the organization of technical and professional education of a subject: "Professional development – one of instruments of professional development of technical shots" also received the certificate.

On competence "Electric installation work" of the National Championship "World Skills Kazakhstan" which was taking place on September 12-15, 2016 in the city of Astana, Abdikalykuly Kanat's teacher took part in quality of the expert, and the winner of the regional championship the student of group 3032rb Aldiyar Tolkynay participated in quality of the candidate.

13.12.2016 the trainer of the NAO "Abdikalykuly K. Kasipkor Holding for teachers of college, managers of departments and managers of offices carried out a round table seminar on a subject: "Teacher of a new formation in the TaPE system".

The management of college pays much attention to a question of adaptation of new employees. The chairman of explains functions of the teacher and defines to it the mentor from among the most skilled teachers who carries out the constant help in methodical work, execution of documentation,

The management of college pays much attention to a question of adaptation of new employees. The chairman of SKPC explains functions of the teacher and defines to him the mentor from among the most skilled teachers who carries out the constant help in methodical work, execution of documentation, attends classes of the young teacher, carries out the advisory help. All work of the mentor is reflected in the School of the Young Teacher folder. With the young specialists having good theoretical knowledge, skills of applied character, but not owning specifics of conducting occupations big, laborious work is carried out, namely: there is a methodical help of mentors; visit of master classes of skilled teachers, visit of the college training seminars concerning pedagogics, a technique of teaching and psychology is organized.

The questioning of PPS which is carried out during ECE IAAR visit has shown that:

- an opportunity to use own innovations in the course of training is estimated – "very well" 41,1% and it is "good" – 57,1%;
- teachers the contents of the educational program – "very well" satisfy 35,7% and it is "good" – 64,3%;
- level of feedback of teachers with the management is satisfied on "very well" - 33,9% "well" - 64,3%;
- the possibility of PPS to combine teaching with scientific research is estimated on "very well" - 26,8% "well" of-67,9%.

The questioning of students which is carried out during EEC IAAR visit has shown that students are completely satisfied:

- the relation between the student and the teacher – 84,6%;
- objectivity and justice of teachers – 84,6%;
- statement by the teacher of material in an interesting form – 75,6%;
- relevance of the taught material of 79,5%;
- objectivity of estimation by the teacher of achievement of students – 78,2%;
- possession of the teacher of the taught material – 83,3%.

Analyzing work on the "Pedagogical Collective and Efficiency of Teaching" standard it is possible to note that high representation of pedagogical skill is defined by the constant level of professional development and visit of various schools and creative occupations. Despite a high rate of qualification of teachers, it is necessary to strengthen work on research work.

Availability and knowledge of work of pedagogical collective of the public isn't strong an indicator of college therefore it is necessary to carry out systematic assessment of pedagogical collective by the management of college, but not by results of implementation of individual plans.

EEC notes that in educational an institution according to this standard special attention is paid to the following positions:

- the TaPE organization has to show availability to the public of information about pedagogical collective;
- working load of teachers has to include different types of activity;
- an important factor is participation of pedagogical collective in life of society.

EEC IAAR recommends:

- the guide of college has to attract experts from production to implementation of educational programs and define a share of the disciplines read by them, both in college, and on production;
- the management of EP has to show IT – competence of pedagogical collective, application of innovative methods and forms of education.

EEC notes that the specialized profile of college according to this standard contains 3 strong positions, 7-satisfactory and a position requiring there is no improvement.

6.4. Students standard

The policy of formation of the contingent on specialties includes professional orientation work of teachers of these specialties within a year and during planned work of selection committee of college.

Educational programs which consider personal requirements, possibilities of each student are developed for formation of the professional competences studying. Content of obligatory disciplines, deepening in single questions of the program are considered by drawing up the educational program of specialty.

In "Technical operation, service and repair of the electric and electromechanical equipment (by types)", qualification: 0911013 – "Electrician", in the specialty 0902000 - "Power supply" (on branches), qualification: 0902033 – "Electrical technician" and in the specialty 0906000 "Heat power installations of thermal power plants", qualification: 0906033 – "Technician-power engineering specialist" at reception on training considers demand for specialists of institutions and the enterprises. Regulations of Admission in college are carried out according to Resolution of the government of the Republic of Kazakhstan of January 19, 2012 No. 130

"About the approval of Standard Regulations of Admission to training in the organizations of education realizing educational programs of technical and professional education", also Regulations of Admission in the Southern Kazakhstan polytechnical college, annually approved principal.

According to Regulations of Admission of the Southern Kazakhstan polytechnical college, the selection committee acts on full-time department from June 20 to August 25, on correspondence department from June 20 to September 25.

Formation of the contingent of college is carried out by the state order and through reception of entrants on paid groups. As 0911000, 0902000 and 0906000 entrants are accepted on 1 course in the Kazakh and Russian groups.

The movement of the contingent is always controlled by the management.

Information on the contingent of the accredited specialties is on the website of ukpk.kz college.

The contingent of students in the specialty 0911000 makes 2015-2016uch. – 524 people, 2016-2017uch.-573 people, 2017-2018uch. of-571 people; on the state grant 2015-2016uch. – 480 people, 2016-2017uch.-518 people, 2017-2018uch.-530 people; on a commercial basis 2015-2016uch. – 44 people, 2016-2017uch.-55 people, 2017-2018uch. of-41 people, the main share of 83,9% of the contingent study on the state grant.

Work on career guidance in college is carried out actively. One of the directions of formation of the contingent is work on carrying out vocational guidance among pupils of schools and the jobless population. For involvement of entrants teachers of SCC carry out explanatory work among pupils of schools of the city of Shymkent and area to college. In 2013-2014 academic year group of vocational guidance have carried out work at 172 schools, in 2014-2015 academic year - at 185 schools, in 2015-2016 academic year – at 216 schools, in 2016-2017 academic year – at 220 schools.

Managers of offices and teachers of SCC will organize "Open Days", tours on specialties in educational laboratories are conducted.

The management of college and teachers will annually organize "Open Days", pupils of schools of the city of Shymkent and area are invited and participate.

For strengthening of interest and to achievement of good results and supports of gifted youth annually in college take place the competitions "Excellent Students of Polytechnic University", "Two Stars" which are a part 10 nominations: The best student; The Best head of group; The Best group; The Best young scientist; The Best organization of youth; The Best young athlete; The Best young singer; The Best young dancer; The Best room of the hostel; (girls, boys); The Best poet.

The analysis of the self-report has shown that at a competition of 2017 "Excellent students of Polytechnic University-2017" has won against office "Power" the following nominations: The best young singer – has won Balabek Azamat studying groups 3061, the Best young dancer - the student of group 353 Abdimalik Birzhan, the Best group – group 353, the Best student – the student of group 353 Kusangbai Tulegen.

Adjustment of work on training of qualified specialists especially is important for creation of the competitive state. Technical creativity of students plays a special role in mastering of skills of specialty them and exercise in a profession.

On the accredited specialties in college 10 technical circles where about 20-25 students of 2 and 3 courses are captured function. They do visual aids; get acquainted with a structure of electrocars both their work and by methods of determination of their defects; carry out audit of laboratory stands, bring them to the working condition, learn to collect simple electric circuits, are engaged in use of measuring devices and other work on development of specialty.

In the regional championship "Third Modernization of Kazakhstan Modernization of Training of Competitive Experts", passed on December 11, 2017, on competence "Wiring Business" the student of the SKPC group 254y of Myrzala Erkebulan, recognized his creativity at the high level, has been awarded with the diploma of the first degree. In the regional championship "WorldSkills Kazakhstan - 2018" in quality of training to competence "Elektrmontazhny Works" among students 3 courses there has taken place the competition during the period from March 05 to March 06, 2018. According to the decision of experts the student of group 364y of Bakbergenula Erkebulan is awarded ranks of the winner. Now preparation for the forthcoming regional championship has begun.

The analysis of monitoring of quality on the accredited specialties has shown: quality of 2015-2016 - 76%, 2016-2017 – 79%, 2017-2018 - 81%; the progress of 2015-2016 - 94%, 2016-2017 – 98%, 2017-2018 - 95% and attendance of occupations of 2015-2016 - 94%, 2016-2017 – 93%, 2017-2018 - 92%, these indicators demonstrates that the level of training of students in college conforms to requirements of educational programs.

On the accredited specialties it is noted that teachers conduct work on performance of real degree projects by students. The real degree projects executed for the last 4 years in PBK of "Electrical power disciplines": for 2014, rp. 313u: The real degree project on production of the operating laboratory stand in Elektrosnabzheniye laboratory on a subject: "Test of longitudinal differential protection of the dvukhobmotochny transformer on the basis of the RNT-565 relay" (students: Akhmedov Alexander, Nurtaza Zhandaulet, Otebay Lesbek, head: Abzhan B.A.); for 2015 students of specialty: 0911013 "Technical operation, service and repair electric and electromechanical equipment, enterprise and civil buildings", rp. 314: The real degree project on production of the operating laboratory stand in Elektrosnabzheniye laboratory on a subject: "Elektrosnabzheniye of the enterprises from the main step-down substation of 110/10 KV": "Relay protection and automatic equipment feeding lines of 110 KV" (students: Loskutov Vladislav, Shlenchak Ivan, head: Abzhan B.A.); The real

degree project on production of the operating model in "Electrical Machines and Transformers" laboratory on a subject: "The educational stand for studying of the device and operation of the electric drive of the shop load-lifting mechanism" (students: Kotov Sergey, Melikhov Sergey, Bay Ivan, Dolgopolov Roman, head: Abdykadyrova U.A.); 326rb: "Elektrosnabzheniye of the tool shop No. 2 of Elektroapparat Plant LLP with a special part production of the operating model of two-transformer shop substation of KTP 10/0,4 KV" (students: Abay Samat, Alpysbay Rayymbek, head: Bekbayev Zh.A.: 325u: "Elektrosnabzheniye of the mechanical shop of JSC Elektroapparat Plant with a special part production of the operating model of the vacuum switch" (the student: Kuandyk Kazhymurat, head: Abdikalykula K.; for 2016, rp. 321: Electric equipment of substation of 35/10 KV the "Southern" co a special part production of a workplace on the regional WorldSkills "Electric installation work" championship the module No. 1 a workplace "Installation of electric equipment of civil buildings with use of modern technologies" (students: Alzhan Bakdaulet, Bekbolat Ernur, hand

Proceeding from realities of today, the increased requirements to universality of knowledge and need of rise in level of spiritual culture of students the pedagogical staff of college is focused on work with the students having high mental abilities, steady positive motivation to the doctrine.

The analysis of the self-report on employment has shown that in the specialty 0911000 – "Technical operation, service and repair of the electric and electromechanical equipment (by types)", qualification: 0911013 – "Electrician" in 2014-2015 year – 113/109 (97%); 2015-2016 year – 58/53(84%); 2016-2017 year – 67/67 (100%); in the specialty 0902000 - "Power supply" (on branches), qualification: 0902033 – "Electrical technician" in 2014-2015 year – the release wasn't; 2015-2016 year – 11/11(100%); 2016-2017 year – 43/42 (98%); in the specialty 0906000 "Heat power installations of thermal power plants", qualification: 0906033 – "Technician-power engineering specialist" in 2014-2015 year – 23/21 (96%); 2015-2016 year – 13/13(100%). In the specialty 0906000 – "Heat power installations of thermal power plants" with qualification 0081907 3 – "the technician – the power engineering specialist" the share of the employed graduates for the last 3 years has averaged 98,6%. Within EP processes of employment are implemented on the basis of the signed contracts with social partners, most of students of a final year receive offers on work already during practice.

The positive tendency of an indicator of a share of the graduates of the TaPE organization employed within three years shows trend changes of quality of stable vocational training of experts on education level and need for them.

The analysis of satisfaction of graduates of EP is carried out by the management of EP on the basis of poll of graduates and opinion of employers during questioning or conversations with social partners.

During the meetings with graduates, parents and students members of EEC have noted positive the managements of EP the fact that the meeting with graduates and veterans of college is well organized is result. So, by means of teachers of SCC and administration of college on February 03, 2018 the Southern Kazakhstan polytechnical college the class reunion and veterans-teachers "the Three-copecks piece ұрам" has been organized. In the foyer of college there took place registration of the come graduates, in offices there has taken place the meeting on specialties, the action has come to the end with a gala concert in the assembly hall. The meeting has taken place very interestingly, graduates and veterans have shared the thoughts with teachers and administration of college, they have suggested to hold such events every year. Warm words have been told, have remembered the interesting moments. In college of a meeting of teachers and employees, with staff of college and studying with veterans became tradition.

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6.5. "Resources Used at Implementation of Educational Programs" standard

Important factor of ensuring quality of education and guarantee of sustainable development of specialty is continuous improvement of material and information resources.

The college has material and technical resources which allow to give all theoretical and practical classes in room system.

Audiences and production rooms meet sanitary standards and requirements of safety measures. The relevant acts are available.

Existence of educational laboratories, offices on specialties conforms to requirements of SOSE. A part of related offices and laboratories on several specialties are combined. The main part of offices and laboratory of special disciplines are equipped with multimedia projectors and the computer equipment.

In all offices and laboratories there are passports. All laboratories and workshops are equipped with means of fire extinguishing.

In a college the information and communication center works, his activity is directed to professional development and skill of teachers as well on expansion of knowledge and an outlook of students.

The educational and methodical base of an educational office (laboratory) creates an opportunity for free access to students and teachers to various sources of information, provides necessary conditions for group and individual study of students and teachers, represents the system of the information resources which are completely corresponding to the modern content of the studied discipline.

The educational and methodical base of an educational office (laboratory) includes:

1. educational, methodical literature, educational and methodical grants and didactic materials on disciplines of an educational office (laboratory);
2. equipment, technical means of training in disciplines of an educational office (laboratory);
3. materials of out-of-class work with students on discipline;
4. laboratory devices and installations, stands.

Each office is equipped: fire extinguisher, information stands, safety measures stands;

All offices and laboratories, are equipped with computers and projectors. For training there is an interactive board, multimedia projectors, a smart board.

Teachers use various websites for carrying out studies, open lessons and use, the electronic manuals developed by them, textbooks, etc.

Each student in college is provided with access to third-party electronic and library systems which contain various editions for information support of educational and research process.

The total of computers in educational process makes 430 that conforms to standard requirements. High speed of connection to the Internet and use of new technologies has provided regular participation of employees and students of college in online seminars and video conferences.

According to the "Resources Used at Implementation of Educational Programs" standard it is possible to note that existence of the modern interactive equipment with the corresponding software, allows to organize educational process effectively.

EEC notes that in educational an institution according to this standard special attention is paid to such positions as:

- necessary quantity of computer classes, reading rooms, multimedia and language laboratories, number of seats in them;
- free access to educational Internet resources;
- the management of EP has to show reflection on a web resource of information characterizing EP.

For further development and improvement of activities of college for implementation of the accredited educational programs of EEC IAAR recommends:

- to continue work on strengthening of dynamics of development of material resources and information support of EP;

- to expand the necessary number of the audiences equipped with modern technical means of training, meeting sanitary and epidemiologic standards and requirements.

ECE conclusions by criteria:

ECE notes that the specialized profile of college according to this standard contains 3 strong positions, 10 – satisfactory, 2 – the demanding improvements.

6.6. "Standards in a Section of Separate Specialties" standard NATURAL AND TECHNICAL SCIENCE

The organization of educational activity in a section of the accredited EP is carried out by means of planning of educational process and content of education, the choice of ways of their carrying out.

For implementation of the strategy of development for educational programs the analysis of effectiveness of the organization and carrying out professional practice of students in various industrial organizations of the region are taken into account: OntustikZharyk Transit LLP, CEO IbragimovM.Zh.; Bal-Tekstil LLP, CEO IskhakhovT.Zh.; "Southern Intersystem Electrical Networks" branch of JSC KEGOC, CEO Goldstein S. G.; Energopotok LLP, CEO Sarsenbayev N.M.; JSC Shymkent Assembly Management, director Orazbayev O. K.; Elektrapparat Plant LLP, CEO Suvorov A. S.; JSC Power Center-3 And K, General direktorturdakhun R.M.

The main resource providing quality of education and formations of the innovative educational environment of college are shots which treat – regular PS and the training officer, part-time workers, practitioners. Shots are selected taking into account requirements, qualification, the level of motivation, age, practical experience, business activity, professional mobility.

Most of teachers of SCC - the power engineers who have come from production. AbdikalykulayK.-2007-2011 years the electrician, the 6th category, the engineer of TB worked in OKEM LLP, JSC Shymkentmay; Abdukadyrova U.A. – 1990-1992 I worked in the Karatau factory the instrumentation and automated control systems shop the electrician, the 3rd category; Abdukasimov M.M. – worked 1982-1987 in the Zhezkazgan region, rudnikakzhat - the chief power engineer, 1987-1988 – the Art. the master of the Kentausky excavator plant, the Art. master of the electrorepair shop, 1987-1992 worked at Yuzhkazagropromproyekt design institute, the engineer, worked 1992-2004 in CJSC Yuzhpolimetall the electrician of the chemical and metallurgical shop, Art. the electrician of the electroshop, in 2004-2006 worked with Geoprojekt LLP the leading design engineer; BekbayevZh. And. – 1990-2004 the electrician 4 categories, the master electrician, the electrical engineer of the PCS, 2004-2008 the

automation control engineer of instrumentation and automated control systems of CJSC Yuzhpolimetall worked Almalinsky mining and smelting plant, in the shop of flotation on repair of electroinstallations; Tolybayev K.Zh. – 2010-2012 the duty electrician of the electrosop worked in JSC Power Center-3, in CJSC SeveroZapadMontazhAvtomatika trust 4 the category worked 2012-2013, the elektrmontazhnik, worked 2013-2014 in Smartoil LLP, the 4th category, the electrician has; Turarov D.K. – 2008 - the operator of the COMPUTER in for with No. 31, in 2010-2012. in Kazspetselektromontazh LLP, the 4th category, электр the assembler, the master, 2012-2014 "worked in JSC Power Center-3, the electrician on repair of electroinstallations and service of substations.\

In the regional championship "WorldSkills Kazakhstan - 2018" in quality of training to competence "Elektrmontazhny Works" among students 3 courses there has taken place the competition during the period from March 05 to March 06, 2018. According to the decision of experts the student of group 364y of Bakbergenula Erkebulan is awarded ranks of the winner. Now preparation for the forthcoming regional championship has begun.

On competence "Electric installation work" of the National Championship "World Skills Kazakhstan" which was taking place on September 12-15, 2016 in the city of Astana, Abdikalykula Kanat's teacher has taken part in quality of the expert, and the winner of the regional championship the student of group 3032rb Aldiyar Tolkybay participated in quality of the candidate.

For 2017-18 PS of the accredited specialties passed a production training. Current academic year on the basis of JSC Power Center-3 a training there passed Abzhan B.And, in Ai Service Trans LLP - Abdukadyrova U.A., in JSC Power Center-3 - Turarov D.K.

According to the schedule of passing of an educational, work practice students do practical training on the basis of the contract at the following enterprises for specialties: 0911000 – "Technical operation, service and repair of the electric and electromechanical equipment (by types)" only 83 students, and them on the basis of JSC Power Center 3 of-10 people; on the basis of OntustkZharik Transit LLP - 10 people; on the basis of JSC KEGOG - 6 people; on the basis of JSC Shymkentmay-3; on the basis of Ai Service Trans LLP - 8; JSC Elektromontazh-3; Kaz Al Mash LLP-6; Energopotok LLP - 7 and on 1-2 students at various enterprises (TaukentEnergoservice LLP, Turkistan-Makta LLP, ShymkentTemir LLP, IP Aliyeva N. A, AZALA TEXTIL LLP, Elektroapparat Plant LLP, D.CH-NOVACOM LLP, SAS-TobeTekhnolodzhis LLP, TaukentEnergoservice LLP, JSC Shardarasuelektrstansion, Astana Railway Services LLP) and in specialties 0902000 - "Power supply" (on branches) all 36th student, and them on base on the basis of OntustikZharyk Transit LLP - 14 people; on the basis of Ai Service Trans

LLP - 10; Kaz Al Mash LLP-5 and on 1-2 students at various enterprises (Energopotok LLP, TaukentEnergoservice LLP, LLP Diamond Exclusive, LLP "SAS-TobeTekhnolodzhis). All students are provided with jobs, mentors from the enterprise and masters ON from college, in due time pass safety measures.

The analysis of the self-report on employment has shown that in the specialty 0911000 – "Technical operation, service and repair of the electric and electromechanical equipment (by types)", qualification: 0911013 – "Electrician" in 2014-2015uch. year – 113/109 (97%); 2015-2016uch. year – 58/53(84%); 2016-2017uch. year – 67/67 (100%); in the specialty 0902000 - "Power supply" (on branches), qualification: 0902033 – "Electrical technician" in 2014-2015uch. year – the release wasn't; 2015-2016uch. year – 11/11(100%); 2016-2017uch. year – 43/42 (98%); in the specialty 0906000 "Heat power installations of thermal power plants", qualification: 0906033 – "Technician-power engineering specialist" in 2014-2015uch. year – 23/21 (96%); 2015-2016uch. year – 13/13(100%). In the specialty 0906000 – "Heat power installations of thermal power plants" with qualification 0081907 3 – "the technician – the power engineering specialist" the share of the employed graduates for the last 3 years has averaged 98,6%. Within EP processes of employment are implemented on the basis of the signed contracts with social partners, most of students of a final year receive offers on work already during practice.

Results of training in the accredited educational programs are: formation at the studying competences demanded in labor market, formation of readiness for professional activity, the personal, professional and social development of students promoting socialization, formation of the general culture of the personality.

Strength of EPis:

- for the purpose of acquaintance of students with the professional environment and topical issues in the field of specialization and also for acquisition of skills on the basis of theoretical preparation the education program has to include the disciplines and actions directed to obtaining practical experience and skills in the specialty in general and to the main subjects in particular including;
- excursions to the enterprises in the field of specialization (the plants, masterful, research institutes, laboratories, etc.).

For further development and improvement of activities for implementation of the accredited educational program of EEC IAAR recommends:

- holding separate occupations or the whole disciplines at the enterprise of specialization.

EEC notes that the specialized profile of college according to this standard contains 1 strong positions, 2 – satisfactory, 1 – the demanding improvements.

(VII) REVIEW OF RECOMMENDATION FOR IMPROVING QUALITY

Standard "Management of the educational program"

- Strengthen the work of processing and systematization in the management of the OP system for the collection and analysis of statistical data.

Standard "Specificity of the educational program"

- systematize the work on updating the content and analyzing the effectiveness of changes in educational programs, taking into account the interests of stakeholders.

Standard "Pedagogical collective and teaching effectiveness"

- for the implementation of educational programs, the management of the college should attract specialists from production and determine the proportion of the disciplines they read, both in college and in industry;
- The management of the OP should demonstrate the IT competence of the teaching staff, the use of innovative methods and forms of training.

Standard "Learners"

- take measures to improve the knowledge of English students.

The standard "Resources used in the implementation of educational programs"

- to continue work on strengthening the dynamics of the development of material and technical resources and information support for the OP;
- To expand the necessary number of classrooms equipped with modern technical training facilities that meet sanitary and epidemiological standards and requirements.

Standard "Standards in the context of individual specialties"

- Carrying out individual classes or entire disciplines at the enterprise of specialization.

(VIII) REVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

there are no

Appendix 1

Evaluation table "SPECIALIZED PROFILE PARAMETERS"

№	Evaluation criteria	Position of the organization of education
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		Strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"					
1	The organization of the TVE demonstrates the development of the EP development plan, its focus on meeting the needs of the state, stakeholders and trainees.		+		
2	The organization of TVE should ensure the adequacy of the development plan for the EP to the available resources, the needs of the labor market and the educational policy of the Republic of Kazakhstan.		+		
3	The organization of TVE should involve representatives of stakeholder groups, including trainees, teachers and employers, in the development of an EP development plan.		+		
4	The organization of the TVE demonstrates the transparency of the processes of forming the development plan for the EP. The organization of TVE ensures the awareness of stakeholders about the content of the development plan for the OP and the processes of its formation.		+		
5	The organization of the TVE should determine the mechanisms for the formation and regular revision of the development plan for the EP and for monitoring its implementation.		+		
6	The organization of the TVE systematically collects, accumulates and analyzes information on the implementation of the OP and conducts self-examination in all directions, develops and revises the plan for the development of the EP		+		
7	The EP development plan is held in public discussion with representatives of all interested parties, on the basis of proposals and amendments, the authorized collegial body of the TVE organization is making changes to the draft.		+		

8	The organization of TVE demonstrates the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, delineation and independence of the financing system.	+			
9	The management of the OP should include:				
9.1	Management through processes		+		
9.2	mechanisms for planning, development and continuous improvement		+		
9.3	monitoring, including the creation of reporting processes, allowing to determine the dynamics in the activities and implementation of plans	+			
9.4	analysis of the effectiveness of changes		+		
9.5	evaluation of the effectiveness and effectiveness of the units and their interaction "		+		
10	The organization of the TVE should document all the main business processes that govern the implementation of the EP	+			
11	The organization of the TVE should demonstrate a clear definition of those responsible for business processes, unambiguous assignment of staff duties, delineation of the functions of collegial bodies participating in the implementation of the EP	+			
12	The organization of the TVE should demonstrate the procedure for approving, periodically reviewing (reviewing) and monitoring educational programs and documents regulating this process		+		
13	The organization of the TVE should ensure the availability and effective functioning of the information and feedback system aimed at trainees, employees and stakeholders	+			
14	The management of the EP should demonstrate the successful functioning of the EP system of quality assurance, including its design, management and monitoring, their improvement, decision-making on the basis of facts		+		
15	The management should provide evidence of transparency in the management of the educational program		+		

16	The organization of the TVE should demonstrate the availability and evidence of intensive use in the management processes of the EP system for the collection and analysis of statistics			+	
17	The management should ensure that the degree of satisfaction of the needs of the teaching staff, staff and trainees is measured and demonstrate evidence of the elimination of deficiencies found in the measurement process			+	
18	The management of the EP should demonstrate evidence of openness and accessibility for students, teachers, parents	+			
TOTAL		6	15	1	

Standard "Specificity of the educational program"

Evaluation criteria: content of EP

19	The organization of TVE should demonstrate the availability of developed models of the graduate of the educational program, including knowledge, skills, skills, basic and professional competencies, personal qualities	+			
20	The organization of TVE should provide evidence of the participation of the teaching staff and employers in the development of the OP, ensuring their quality			+	
21	The organization of TVE should determine the content, scope, logic of the interrelationship of academic disciplines, as well as the influence of disciplines, vocational training and professional practice on the formation of basic and professional competencies of graduates			+	
22	The management of the EP should demonstrate the availability of a professional context in the content of the training disciplines			+	
23	The EP leadership should demonstrate an effective balance between theoretical and practice-oriented disciplines			+	
24	The list and content of the disciplines should be accessible to students. Disciplines should exhaustively cover all issues and problems in the field taught			+	
25	В структуре образовательной программы следует предусмотреть различные виды деятельности, содержание которых должно способствовать развитию базовых и профессиональных компетенций			+	

	обучающихся с учетом их личных особенностей				
26	The structure of the educational program should provide for various types of activities, the content of which should contribute to the development of basic and professional competencies of students taking into account their personal characteristics			+	

Evaluation criteria: individualization of the EP

27	The management of the EP must ensure equal opportunities for students, including regardless of the language of instruction		+		
28	The management should ensure the existence and effective functioning of the system of individual assistance and counseling of students on the educational process		+		
29	Management creates conditions for the effective development of the EP		+		
30	The management should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of the EP	+			
31	The management should demonstrate individual support for students		+		
32	The management of the EP must prove the availability of a monitoring system for the achievements of students		+		

Evaluation criteria: evaluation of learning outcomes

33	The EP management should ensure the existence and effective functioning of the mechanism of an objective, accurate and comprehensive evaluation of learning outcomes		+		
34	The EP management should ensure that the evaluation of the learning outcomes and the degree of the basic and professional competencies of the students are objective, the transparency and adequacy of the instruments and mechanisms for their evaluation		+		
35	The EP management team should ensure that the procedures for assessing the level of knowledge, skills and abilities of students are in line with the planned learning outcomes and		+		

	program objectives				
36	The EP management should conduct diagnostics of knowledge, abilities and skills of students at the beginning of training at the rate and study of the academic disciplines		+		
37	Processes and criteria for evaluating learning outcomes should be transparent		+		
38	The EP management should ensure that the students have the skills to continue their education at the following educational levels		+		

Evaluation criteria: teaching methods

39	The management of the EP should ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods		+		
40	When implementing the educational program, the independent work of the student		+		
41	The management of the EP should ensure the possibility of passing vocational training and professional practice in the specialty / qualification of trainees and monitor the satisfaction of students, managers of enterprises - places of practice and employers		+		
42	The management of the EP should ensure the implementation of the results of practical achievements of teachers in the educational process		+		
TOTAL		2	21	1	

Standard "Pedagogical collective and teaching effectiveness"

43	To implement educational programs, the management of the ET should involve practitioners and determine the proportion of the disciplines they read			+	
44	The management of the EP should motivate the teaching staff to constantly apply innovations in the educational process		+		
45	The management of the EP should demonstrate the adequacy of the staff potential of the teaching staff to the specifics of the educational programs		+		
46	The organization of TVE should demonstrate the availability	+			

	of information about the pedagogical team to the public				
47	The management of the EP should ensure that the activities of the teaching staff are monitored, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching		+		
48	The workload of teachers should include various activities. The management of the EP must demonstrate the evidence of the teachers' fulfillment of all types of planned workload	+			
49	The management of the RP should provide targeted actions for the development of young teachers		+		
50	The management of the OP should demonstrate the mechanisms for stimulating the professional and personal development of teachers and workers		+		
51	The management of the EP should ensure monitoring of the satisfaction of the teaching staff		+		
52	The management should demonstrate the IT competence of the teaching staff, the use of innovative methods and forms of training		+		
53	An important factor is the participation of the teaching staff in the life of society	+			
TOTAL		3	7	1	
Standard "Learners"					
54	The management of the EP should demonstrate the policy of forming a contingent of trainees and transparency of its procedures	+			
55	The management of the EP should demonstrate awareness of the main roles (professional, social) trainees based on learning outcomes		+		
56	An important factor is the possibility of professional certification of students in the field of specialization in the learning process		+		
57	An important factor is the availability of programs to support gifted students.		+		
58	The management of the EP should make the maximum amount of effort to provide graduates with employment and		+		

	keep in touch with alumni				
59	An important factor is the monitoring of the employment and professional activities of graduates		+		
60	The EP leadership should actively encourage students to self-education outside the main program (in the framework of extracurricular activities)	+			
61	The EP management should provide an opportunity for learners to exchange and express opinions		+		
62	The management should establish a mechanism for monitoring the satisfaction of students with the activities of the TVE organization as a whole and with individual services in particular		+		
63	The EP management should demonstrate the functioning of the feedback system, including the prompt presentation of information on the results of the evaluation of learning outcomes		+		
TOTAL		3	7		
The standard "Resources used in the implementation of educational programs"					
64	The management of the EP should ensure that the maximum number of structured, organized information is available for the students in the disciplines taught: for example, presentation materials, lecture notes, compulsory and additional literature, practical assignments, etc.		+		
65	Educational equipment and software used for the development of educational programs should be similar to those used in the relevant industries and meet the safety requirements for operation		+		
66	The organization of the TVE creates a learning environment that promotes the formation of basic and professional competencies and takes into account individual needs and opportunities for students		+		
67	The organization of TVE should create conditions for the development of applied skills of students and teaching staff in the disciplines studied and the possibility of implementing these skills in competitions and competitions or in some other way in practice		+		

68	The organization of TVE should conduct an assessment of the dynamics of the development of material and technical resources and information support for the EP			+	
69	In the organization of TVE, an educational environment for the EP should be created, which includes:				
69.1	technological support of students and teaching staff in accordance with the specifics of the educational program		+		
69.2	academic accessibility - students have access to personalized educational resources		+		
69.3	academic consultations - there are personalized educational resources that help students		+		
69.4	professional orientation - students have access to personalized educational resources that assist in the selection and achievement of career paths		+		
69.5	the necessary number of classrooms equipped with modern technical training facilities that meet the sanitary and epidemiological standards and requirements			+	
69.6	the necessary number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them	+			
69.7	book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of the languages of instruction			+	
69.8	free access to educational Internet resources	+			
70	The management should determine the degree of implementation of information technologies in the educational process of the EP, monitor the use and development by the teaching staff of innovative learning technologies, including ICT			+	
71	The management of the RP should demonstrate the reflection on the web resource of the information characterizing the EP	+			
TOTAL		3	10	2	
"Standards in the context of individual specialties"					

Natural and technical sciences

75	Educational programs in technical areas, such as "Metallurgy and machine building", "Communication, telecommunications and information technology", "Production, installation, operation and repair (by industry)", "Communication, telecommunications and information technology", etc. . must meet the following requirements:				
75.1	Educational programs in technical areas, such as "Metallurgy and machine building", "Communication, telecommunications and information technology", "Production, installation, operation and repair (by industry)", "Communication, telecommunications and information technology", etc. . must meet the following requirements:				
75.1.1	excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)	+			
75.1.2	conducting separate classes or whole disciplines at the enterprise of specialization			+	
75.1.3	The use of workshops for practical classes, solving practical problems relevant to enterprises in the field of specialization, etc.		+		
75.2	The teaching staff involved in the EP should include practitioners who have experience working at enterprises in the field of EP specialization.		+		
	TOTAL	1	2	1	
	TOTAL				
	TOTAL IN GENERAL	18	62	6	