



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert evaluation Commission  
for compliance with the requirements of the standards of specialized accreditation of  
educational programs:

1201000 " Technical maintenance, repair and service of automobile transport »

SOE "Pavlodar machine-building College»

From 22 to 24 October 2018

Pavlodar 2018

# INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

External expert Commission

Addressed  
Accreditation  
the Council of the IAAR



Независимое агентство  
аккредитации и рейтинга

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"24" October 2018

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## LIST OF SYMBOLS AND ABBREVIATIONS

SOE - State-owned enterprise

ICT-information and communication technologies;

EP-educational programs

RK – Republic of Kazakhstan

MESRK – Ministry of education and science of the Republic of Kazakhstan;

SES-State obligatory standard of education;

TPE - Technical and professional education

MA-methodical Association

MTB-material and technical base

TC-typical curriculum

WC-working curriculum

TC-typical curriculum

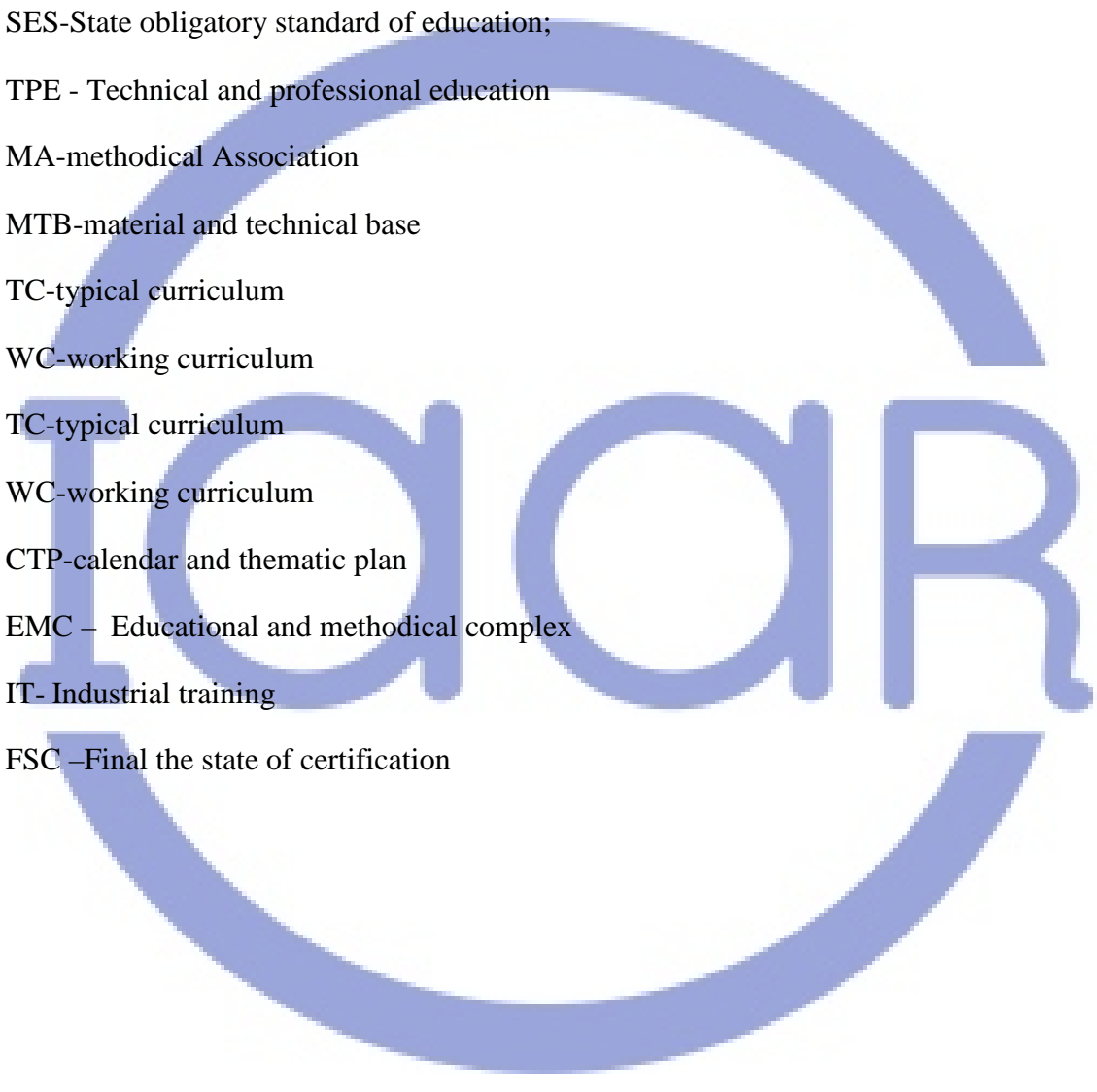
WC-working curriculum

CTP-calendar and thematic plan

EMC – Educational and methodical complex

IT- Industrial training

FSC –Final the state of certification



## INTRODUCTION

In accordance with the order of the independent Agency for accreditation and rating of JSC "Pavlodar engineering College" from 15.10.2018 № 84-18-OD, with the activity, the visit of the external expert Commission (EEC). From 22 to 24 October 2018, the assessment of compliance of the educational program of specialty 1201000 "maintenance, repair and operation of road transport" with the standards of specialized accreditation of IAAR

The EEC report contains an assessment of compliance of the presented educational program with the IAAR criteria, recommendations of the EEC on further improvement of the educational program and parameters of the profile of educational programs in the Pavlodar machine-building College.

Composition EEC:

1. The Chairman of the Commission Ualkhanov, Bijan Nurbayevich Turganov, the coach of the holding "Kasipkor", candidate of technical Sciences (Kokshetau);
2. Expert Ablayev, Marat Abdulkерimovich, Deputy Director for training and production work by GP "Zhitikary Polytechnic College" (Zhitikara);
3. Expert-Pavel Senkin, Deputy Director for training and production work of KSU "machine-building College of Petropavlovsk" (Petropavlovsk);
4. Expert Kargasekova Aliya Buturlinovka, Chairman of the Central Committee for processing and metallurgical disciplines Chu " Polytechnic College of Kazakhmys Corporation (Balkhash);
5. The observer from Agency-Bekenova Dinara Kairbekovna, the head of the project on accreditation of the organizations of technical and vocational education of IAAR (Astana);
6. Employer-Skorobogatov Yuri, head of the technological Department of the electric steel plant - 2 Pavlodar branch of LLP "KSP steel" (Pavlodar);

Student Konovalov Artem Sergeyeovich, student of the 3rd course of the specialty 1003000 "nonferrous metallurgy "SOE" Pavlodar College of nonferrous metallurgy " (Pavlodar)

## REPRESENTATION OF THE ORGANIZATION OF EDUCATION

In accordance with the goals and objectives defined in the Charter, the educational activities of the PSC "Pavlodar machine-building College" is carried out on the basis of the state license for educational activities issued by the Department for control in the field of education of Pavlodar region of the Committee for control in the field of education and science of the Ministry of education and science of the Republic of Kazakhstan № 14008874 dated 18.06.2014 and annexes №002 dated 17.02.2015, № 003 from 24.03.2017

Table 1. Accredited qualifications terms of training.

Code and name of specialty	Code and name of qualification	period of study
1201000 " Technical maintenance, repair and service of automobile transport »	1201123 mechanical-technician	3 years 10 months, 2 years 10 months
	120172 the Mechanic of repair automobile	2 years 10 months

Admission of students is carried out by the state educational order and on a contractual basis with full reimbursement of training costs. Preparation of specialties is carried out on full-time from correspondence forms of training, with the Russian language of training. The educational activity of the College is guided by the normative documents "Standard rules of activities of types of organizations of technical and professional, post-secondary education" approved by the order of the Minister of education and science of the Republic of Kazakhstan dated may 17, 2013 № 499. The College has developed and approved the Internal regulations of the PSC "Pavlodar machine-building College" Of the Department of education of the akimat of Pavlodar region. The relations between the labor collective and the administration are regulated by the collective agreement. Job responsibilities have been developed for administrative and managerial staff, teachers and support staff. The General management of the educational institution is carried out by the Director. Functional management is entrusted to Deputy Directors.

The school has three departments: two full-time and part-time Department.

To ensure the professional competence of the engineering and pedagogical staff, there is a methodical study.

The College has 3 cyclic methodical commissions, the activity of which is regulated by the Rules of organization and implementation of educational and methodical work, approved by the order of the MES of November 29, 2007 № 583. To carry out educational activities, the College has one academic building. Total area-4270,2 sq. m. the Classroom Fund includes 24 classrooms, 8 laboratories, 7 workshops and 1 library. The College has long-term cooperation agreement with the city-forming enterprises as: JSC "Kazakhstan Aluminum", Pavlodar machinery plant JSC "ERG Service", LLP "LLP "KSP Steel", LLP firm "PHBK", LLP "Pavlodar Center Hyundai", "Irtys-Lada ", LLC "Liton", LLP "Pavlodar Eurasia Motor", etc. Information from businesses and organizations employing the graduates and held professional practice, comes in the form of reviews and letters of appreciation. The College has a stable, qualified engineering and teaching staff. The College is fully equipped with managerial, administrative and pedagogical staff. Engineering and teaching staff at the time of accreditation is 20 teachers, staff - 100%. The share of masters of industrial training is 1, which is 5 % of the total number of teachers. The highest

and first qualification category are 13 people (65%) , which corresponds to the qualification requirements of the organization of education, implementing training programs of technical and vocational education. The total number of students is 98, 86 of them are full-time students,12 are part-time students. According to the state educational order 64 students are trained on a contractual basis with full reimbursement of 34 students. According to the results of the 2017-2018 academic year, 17 out of 23 graduates were employed, which is 74%.

The existing system of management and administration, competent teaching staff, updated information and communication and library resources form the environment for quality education and teaching.

#### THE PRECEDING PROCEDURE FOR ACCREDITATION

PSC "Pavlodar machine-building College" The Department of the education of akimat of Pavlodar region for the first time undergoes the procedure of specialized accreditation of the organizations TPE.

#### DESCRIPTION OF THE VISIT THE EEC

The work of the external expert Commission was carried out on the Basis of the program of the visit of the expert Commission on specialized accreditation of educational programs in the PSC "Pavlodar machine-building College", in the period from October 24, 2018. To obtain objective information about the quality of educational programs and the entire infrastructure of the College, to clarify the content of self-assessment reports, meetings were held: with the Director, Deputy Director, inspector of the personnel Department, heads of departments, methodologist, chief accountant, head of the economic part ,chairmen of the subject cyclic Commission, teachers, head of the library, social teacher, nurse, Executive Secretary of the selection Committee, students, graduates, employers and parents of students. In total, the meetings were attended by 154 people.

Table 2-Information about employees and students who took part in the meetings

Category of the participants	Number
Director	1
Deputy Director	3
heads of departments	3
Methodist	2
Chief accountant	1
Head of economic part	1
Personnel Department	1
Librarian	1

Social pedagogue	1
Medical nurse	1
Executive Secretary of the selection Committee	1
Chairman of the Subject cyclic Commission	3
Teacher	18
Student	34
Graduate	49
Social partner	12
Parents of the students	22
<b>Total</b>	<b>154</b>

On October 23, 2018, members of the external expert Commission visited the divisions of enterprises of JSC "Aluminum of Kazakhstan", "Pavlodar machine-building plant" branch of JSC "ERG Service". Before the tour, the chief specialist of the training center Amirbekova, G. B., gave an introductory briefing on safety and labor protection, as well as told about the requirements for trainees, the process of practical training and other aspects of interaction with the College. For safety reasons, during the tour, members of the external expert Commission were given special clothing (vests, helmets and goggles). The excursion around the workshop was conducted by the leading technologist of the foundry-mechanical workshop Fazylbekov E.Z., who acquainted the members of the external expert committee with the activity of the casting-mechanical workshop. During a visit to this shop in the areas of foundry and mechanical processing, students of the c. F-15-9-1 in the specialty 1004000 "Foundry" were in technological practice. The trainees were engaged in the manufacture of rods, the manufacture of molds for balls, Stripping castings on the grinding machine. It is noteworthy that the company JSC "Aluminum of Kazakhstan" provides jobs to students with payment of their labor. The analysis of the results of the conversation showed that the students Muratova and Sadvakasova are satisfied with the process and conditions of passing the production practice. On the basis of the approved program, members of the external expert commission visited the technology Park of Pavlodar state University. S. Toraighyrov, which concluded an agreement to conduct laboratory and practical work in the field of "Engineering Technology (by type)" and "Foundry". At the time of visiting this object in TM group-16-9-1 in the specialty "technology of mechanical engineering" conducted laboratory work on the subject of metal-cutting equipment, teacher of the faculty of the Department of metal engineering, All 22 students were Present on the list. The group was divided into two subgroups: the first subgroup in number of 11 persons was carried out laboratory the work in the second subgroup of 11 people. – theoretical preparation for laboratory work. A teacher by B. T. Butkeeva provided to the members of the external Commission of the necessary methodological documentation. Thematic planning corresponds to laboratory work. As part of the work, members of the external expert Committee visited the company "Hyundai Center Pavlodar "LLP. The company is equipped with modern equipment and carries out repair and maintenance of modern cars. During the conversation with the



commercial Director of Pucek N and mechanic Oparin I. V. noted that the College cooperate with 2017 and sent to practice 5 people, but in the course of maintenance and repair of modern transport trainees are experiencing difficulties due to lack of knowledge on maintenance of modern cars. During the visit the external expert Commission of the lesson on the discipline "Basis of diagnostics of cars" in groups TMRSAT 16-11-1, TMRSAT 15-9-1 teacher Kuprin, V. F. the theme of the lesson was "definitions and methods". The lesson was attended by 15 people from 17 groups of TMRSAT -16-11-1, T groups of TMRSAT 15-9-1 out of 10 people attended 2. During the lesson the teacher uses the oral, visual and practical teaching methods. Examples from production are given in the course of the explanation. During the lesson self-analysis teacher lesson plan is not provided. During the visit to the lesson of discipline Organization, automation, equipment of machine-building production, the theme "Storage facilities" TM group -17-11-1 (specialty engineering Technology), a teacher trained in the use of active teaching methods. The lesson was attended by 17 students out of 22. The content of the lesson corresponds to the individual teacher's plan. Students actively participated, i.e. performed practical tasks, defended presentations, answered questions. The office is equipped with multimedia equipment (projector, screen, speakers). Analysis of attendance indicates a good and high-quality teacher training Smagulova A.K. To sufficient theoretical and practical level. Analysis of activities of the staff College demonstrates the commitment of staff to improving the quality and to development of educational program.

## (VI) THE STANDARDS OF SPECIALIZED ACCREDITATION

### 6.1. Standard "Management of the educational program »

Management and implementation of educational programs in the specialty 1201000 " Technical maintenance, repair and service of automobile transport » is carried out in accordance with the current legal documents of the Republic of Kazakhstan and The strategic development plan of the College for 2016-2021. The strategic plan provides for the development of tactical level plans and is the basis for the current planning of educational activities. However, due to the lack of target indicators for its implementation, it is difficult to monitor the implementation of the development plan of the educational program and its effectiveness. Strategic educational activities of the College are reflected in the planning, reporting and regulatory documents of the College. Accredited specialty, engaged in the issue, conduct planning, implementation, monitoring and evaluation, analysis in order to improve the quality of its activities for the implementation of educational programs on the basis of developed and documented procedures. Monitoring includes monitoring of all types of training and production activities, including training sessions, study tours, professional practices, development of material and technical base, but the effectiveness of changes to improve the activities of the educational program is absent. In developing the development plan of educational programs take into account the needs of the labor market. The College management, together with social partners on a regular basis analyzes information about the needs of the labor market of the industrial city. The results of the analysis are taken into account when planning a new set of students for each educational program. Also, to assess the educational program, the College attracts specialists of enterprises of social partners. The content of the accredited educational programs correspond to the SES and other RK in the field-technical and professional education guarantees sufficient quality of training of the specialist meeting the mission of the College and the needs of employers. The current management system is focused on compliance with the principles of collegiality and

transparency. The highest governing body is the Pedagogical Council. During the visit, the external expert Commission revealed that the College systematized the internal management system of educational programs, namely the effectiveness of the units and their interaction. A survey of teachers conducted during the visit of EEC, IAAR, showed that involvement in the process of strategic decision – making and satisfaction with the educational process is-100 %. However, in the course of work 41% of College teachers are faced with the problem of unavailability of modern library Fund, 22.7% of teachers indicate the lack of access to Internet resources, lack of visual benefit and equipment. The survey of students conducted during the visit of the VEK NAAR showed that the vast majority of students (94.4 %) are fully satisfied with the quality of education, ensuring equal opportunities for all students, informing students about educational programs, conditions and availability of resources of the institution. Analysis of the survey showed that 19.4% of students are not satisfied with the conditions for living in the dormitory of the institution.

The strengths of educational programs are:

- Orientation of the plan of development of educational programs to meet the needs of the state, stakeholders and students;
- Availability of adequacy of the development plan of educational programs with available resources, the needs of the labor market and educational policy of the RK.
- Cooperation with city-forming enterprises of the city and expanded employment opportunities.

The weak points of educational programs are:

Insufficient use of educational programs of regulations and manuals on repair and maintenance of modern transport in training processes.

In order to further develop and improve the activities of the College for the implementation of accredited educational programs, recommends EEC IAAR:

- In the implementation of educational programs in the learning process to use regulations and guidelines for repair and maintenance of modern transport;
- To continue work on the mechanisms of public access to the media through the official website of the College of information on professional, personal development and achievements of the best teachers;
- to strengthen control over filling in documentation of strict reporting (journal of theoretical and industrial training), in accordance with the current legislation of the Republic of Kazakhstan (order No. 502 of 23 October 2007);
- systematize the internal system of quality assurance of educational programs;
- to develop a plan of measures to improve the issues related to the conditions of social sphere, educational activities, organization of leisure time after school hours.

The EEC notes that the specialized profile of the College according to this standard contains 19 satisfactory positions and 3 positions are expected to be improved.

## 6.2 Standard " Specifics of the educational program»

The expert group conducted an analysis of the EP in the course of which the EEC determined that the working curricula and working training programs are drawn up in accordance with the standard curricula and model training programs approved by the orders of the MES № 72 from 22.01.2016. The EP clearly sets out objectives aimed at achieving the quality of training, which is consistent with the mission of the College. The content of the program, its structure meets the requirements of the government of the Republic of Kazakhstan Dated August 23, 2012 № 1080 " on approval of the state educational standards of the relevant levels of education» The working group of the College conducted an analysis of the activities of graduates, on the basis of which the most significant requirements of the profession to graduates of the specialty were identified. As part of the activities on the formation of the model of the EP graduate, the necessary basic, personal, professional competence of social qualities were taken into account. However, during the interview it was revealed that College students do not have information about the availability of the graduate model and its requirements.

During the work of the EEC it was revealed that the working curricula of the training programs of professional practice of the EP were considered at the meeting of the Subject cycle commissions and approved by the Director of the College, but there are no approvals from employers. On the basis of the approved working curricula, teachers prepare working curricula, which are considered at the meetings of the SCC and approved by the Director of the College. The calendar-thematic plan (CTP) is made by teachers on the basis of working curricula and approved by the Deputy head.

Time planning is carried out in accordance with the subject of the CTP. A special role in the formation of theoretical knowledge, practical skills in the curriculum of disciplines is given to practical classes and the implementation of individual tasks, including diploma projects. Topics diploma and course projects are considered at a meeting of the SCC, and approved by the Deputy Director. To help students are offered guidelines for the implementation of course and diploma projects. Analyzing the presented diploma and course projects, members of the EEC noted the high quality of the graphic part in the automated programs Kompas and AvtoCat, but the explanatory note of the theoretical part of the abstract nature.

On the basis of the current legislation of the MES and developed local acts, the College organizes the current monitoring of progress, intermediate and final certification. According to the results of the final certification of full-time graduates of the 2017-2018 academic year, the quality indicator was 83%, part-time education 39%, which indicates the insufficient level of training of students and the effectiveness of the teaching staff.

To assess the knowledge of students in the educational process is traditionally used such forms of knowledge control as: test work, course project and work, laboratory and practical work, essay, homework, oral survey, testing, test, exam.

The survey of students conducted during the visit of the showed that EEC IAAR:

- the level of availability and responsiveness of management is estimated as high-94.4 %;
- availability for counseling on personal problems is estimated at 94.4 %;

– the level of overall quality of the College curriculum-94%.

The strengths of the EP are:

- participation of the teaching staff in the development of EP;
- providing opportunities for professional practice on EP students and monitoring the satisfaction of students and employers;
- functioning of the system of individual assistance and counseling of students on EP;
- the presence of a system of monitoring the achievements of students.

The weaknesses of the EP are:

- not fully ensured the availability, list and content of disciplines;
- lack of awareness of students about the requirements and importance of the graduate model;
- lack of evaluation criteria for objective and transparent assessment of students.

In order to further develop and improve the activities of the College for the implementation of accredited educational programs, recommends EEC IAAR:

- in the development of working training programs to provide a balance between theoretical and practice-oriented training;
  - in the development of curricula and working training programs include in the list of coordination of specialists in the specialization of enterprises (to reflect in the working curricula and working training programs in special disciplines and professional practice changes made by specialists of enterprises);
  - to develop and implement the circle activity of students in the technical direction of the specialty, in order to develop professional competencies of students taking into account their personal characteristics and suggestions of social partners;
  - to activate information and explanatory work among students about the requirements and importance of the graduate model;
- in the specialty EP systematize uniform requirements for the preparation of course and diploma projects, when choosing topics DP take into account the activities of modern auto repair and transport companies, with the approval of employers;
- systematize educational and methodical documentation of teachers and strengthen their control.
  - in the implementation of the EP to ensure equal opportunities for students, including regardless of the language of instruction;
  - ensure transparency and adequacy of tools and mechanisms for assessing learning outcomes, as well as compliance of procedures for assessing the level of knowledge, skills and abilities of students with the planned learning outcomes and goals of the program;



- to strengthen the work on the development of students' communication skills and the study of elements of the English language in special disciplines.

EEC notes that the special profile of the College in accordance with this standard contains the 1 to be strong, 16 are satisfactory, and for 7 positions it is expected to increase.

### **6.3 Standard " Teaching staff and effectiveness of teaching»**

The personnel policy is implemented in accordance with the main priorities of the College development Strategy and corresponds to modern trends in the field of work with human resources. Employment and distribution of duties is carried out in accordance with the qualification characteristics of the positions of employees of technical and vocational education organizations.

The need for accredited by the EP in the professional qualification level of the teaching staff is determined by the direction of training of students, as well as the licensing requirements. For the implementation of the accredited EP involved teachers with appropriate education taught disciplines.

In order to increase the professional competence of teachers at the time of visiting the EEC, 5 applications for improvement and confirmation of qualification categories were submitted.

According to the data provided by the EP, 7 teachers of General educational disciplines were trained in NJSC "holding " Kasipkor", including 5 teachers on the subject "Teaching of special disciplines (modules) in English based on the integration of methods of CLILL (CLIL) TBLT (TBLT) and model BOPPPS (BOPS)". Teachers of special subjects systematically undergo internship in the company, however, the application of modern technologies of repair and maintenance of modern transportation teachers during post manufacture revealed.

The analyzed period showed that the work on participation in international, national and regional scientific conferences. 10% of the teachers of the EP have publications on the educational sites of JSC NCAT "Orleu" on the best pedagogical experience. However, at an insufficient level, the work of the methodical service for the development of educational and methodical complexes, author's works with the assignment of ISBN in the National Printing House is traced.

In General, the analysis showed that the EP is staffed by qualified teaching staff (according to the staffing) for the entire period of training.

A survey with teachers, conducted during the visit of the EEC IAAR, showed that:

- availability of necessary scientific and educational literature in the library for teachers - very good and good – 90%, bad-10% or 2 teachers;
- teachers are satisfied with the content of the educational program - very good and good – 22.7% and 77.3 %;
- the level of feedback of teachers with the management satisfies on" very good "- 31,8 %; "good" - 63,6 %, 1 teacher or 4,5% very bad;

The strengths of the EP are:

- active participation of the teaching staff in the life of society;
- full compliance of qualification requirements to the specifics of the accredited EP;
- the College actively supports young teachers.
- high coverage of teachers with internships and advanced training;

In order to further develop and improve the activities of the College for the implementation of the accredited educational program, the recommends EEC IAAR:

- involve teachers of practitioners from production and systematically summarize and improve the experience of teachers with the highest category;
- regularly hold seminars and discussions on the latest teaching methodologies and technologies;
- to activate the work of teachers on the development of educational and methodical complexes, author's works with the assignment of ISBN;
- to direct the work on the availability of lessons of experienced teachers on the College website.

The EEC notes that the specialized profile of the College according to this standard contains 3 strong positions, 5 – satisfactory and 3-expected improvement.

#### **6.4 Standard « Learners »**

The contingent of students in the profile is formed taking into account the requirements of employers, employment indicators.

The contingent of students in the specified specialties: full-time and correspondence forms of training is formed at the expense of graduates of secondary schools of Pavlodar.

Contingent the EP is 98, of which 86 full-time tuition 12 people part-time. According to the state educational order 64 students are trained on a contractual basis with full reimbursement of 34 students.

Great attention is paid to career guidance. Informing students about the requirements of educational programs and the specifics of their implementation takes place in the course of counseling students in the admissions office of the institution. More specific information the applicants and the students get to the website колледжа of the College:

[pmk\\_kolledg@mail.ru](mailto:pmk_kolledg@mail.ru).

The College has 7 clubs and 4 sections. In the framework of the program "Ruhani jangru", namely the project "Tugan Zher", "Sacral geography", "Multilingualism" in collegefuctour mugs "Cultural heritage", "Kamkorlyk", "Linguist". To preserve and increase the health of students there is a circle "healthy lifestyle". To inform students on legal issues, there is a

circle "legal landing", to expand knowledge in the field of electrical engineering, there is a circle "Young electrician" and initial military training "Marksman".

In addition to clubs, students attend sports sections "table tennis", "Togyzkumalak", "Football", "Gym". To attract students to socially useful activities in the College created a youth Committee, which includes the most active students. They participate in various activities held at the College and beyond.

The College is doing a lot of work on the adaptation of students of the new set. Social worker regular meetings are held, individual interviews, surveys of students confirmed that students in the course, interview analysis of the social teacher.

Students participate in Olympiads, scientific conferences, competitions, etc. Students of the group of TMRSAT14-9-1, Neputaiev and Aidarkhanov are participants of the regional championship " World Skills-Pavlodar". Performance is confirmed by certificates and diplomas.

Corporate Fund "ERG Komek JSC" Aluminum of Kazakhstan " provided charitable assistance in the form of payment for the training of student group TMRSAT 12-9-1 Beisenbaev D.

Students on a contractual basis from disadvantaged families the College has provided 50 % discount on payment for training Alexandrin D. group TORAH 16-9-1 and Tleulenov S.

The organization of professional practices and their employment is carried out at the enterprises of social partners, which is confirmed by certificates of employment. The main contingent of the final course receive job offers during the practice. Employment in the EP is 74%, employment is 100%.

A survey of students conducted during the visit of the EEC IAAR, showed that:

- 100% are fully satisfied with the promotion of the educational environment of collegiality, mutual respect, support of educational materials in the learning process, the quality of teaching;
- 100% fully satisfied with the availability of counseling on personal issues, the fairness of exams and certification;
- 97.2% are fully satisfied with the explanation before entering the rules and strategy of the educational program (specialty);
- 100% fully satisfied with the academic load/requirements for the student, timely assessment of students, as well as the speed of response to feedback from teachers regarding the educational process.

The strengths of the EP are:

- formation of a contingent of students of EP and transparency of its procedures;
- participation of management and teaching staff in providing graduates with employment and communication.

Weaknesses of OP:

- poorly involvement in the scientific and student direction of the specialty
- inadequate control over the attendance of students;
- insufficient educational resources for self-training of students.

In order to further develop and improve the activities of the College for the implementation of accredited educational programs, recommends EEC NAAR:

- to strengthen the role of student activists in College in decision - making, to eliminate the formalism of student government.
- to strengthen the work on the safety of the contingent and attendance of students;
- to improve the infrastructure of the educational institution in order to create comfortable conditions for students.

The EEC notes that the specialized profile of the College according to this standard contains 9 satisfactory positions and 1 is expected to improve.

#### **6.5 Standard " Resources used in the implementation of educational programs»**

The existing material and technical base of the College and the implementation of the strategic development plan ensure compliance of the College infrastructure with the specifics of activities, including the implementation of EP, research, normal and sufficient conditions for training and effective functioning of all structures.

To carry out educational activities, the College has one academic building. Total area – 4270,2 sq. m. class rooms include 24 classrooms, 8 laboratories, 7 worksrooms, 1 library. The classrooms are equipped with multimedia projectors, interactive one, and computers. 94 computers are used in the educational process, all are connected to the Internet.

The social base of the College is represented by a gym, a medical office, a dining room, an Assembly hall, a library, a dormitory.

The book Fund of educational, educational and methodical literature of EP makes 845 copies. There are 8 textbooks per student. The analysis showed that the work of the educational institution to provide modern educational literature is carried out at an insufficient level.

At the lessons of special disciplines the main emphasis of teachers is focused on the study of outdated Soviet transport. Educational hardware inventory, and then a visual aid based on the examples of stereo selectivity left in exploitative isolated cases. The material and technical base of the specialty TMRSAT Physically worn condition, and does not meet the requirements of safety and labor protection of the current Law of the Republic of Kazakhstan" on civil protection " dated April 11, 2014 № 188-V.

For the organization of installation and dismantling practices and maintenance practices, the area of laboratories and workshops does not allow to organize the educational process at the



proper level, in addition, there are no number of sets and units of engines, transmissions and trucks at least one subgroup (12 people). Based on this, the EEC members question the qualitative development of professional competencies.

Analyzing the work on the standard "Resources used in the implementation of educational programs" in the planning and strengthening of the College's ITB resources and capabilities of social partners are poorly involved. Summing up, it can be noted that the success of the educational program to a greater extent could be implemented in the replenishment of the material and technical base, educational resources, taking into account the requests of production, book Fund, as well as through ensuring the availability for students of educational and methodical complexes of disciplines in electronic form.

A survey of teachers conducted during the visit of the EEC IAAR, showed that teachers never collide:

- lack of classrooms-97.5 %;
- bad conditions for classes in the classroom-100%;
- lack of Internet access-77.3%;
- unavailability of necessary books in the library-59%.

The survey of students conducted during the visit of EEC IAAR showed that students are fully satisfied:

- the level of availability of library resources-97.2%;
- existing educational resources of the College-100%;
- support of educational materials in the learning process -100%;
- availability and accessibility of computer classes and Internet resources – 100%.

The strengths of the EP are:

- the management of EP attention to the organization and carrying out competitions, for the purpose of attraction trained to production activity.
- ability availability computer literacy for the taught subjects.

The weaknesses of the EP are:

- insufficient level of material and technical base of laboratories and workshops on the educational program;
- outdated library Fund on disciplines of a special cycle.

In order to further develop and improve the activities of the College for the implementation of accredited educational programs, recommends EEC IAAR:

- to develop a set of measures to equip the material and technical base, as well as to assess the dynamics of the development of material and technical resources and information support of EP;
- to direct work on equipping with equipment and software similar to those used in the automotive industry;
- to intensify professional training of students to participate in regional competitions " World Skills»;
- include in the working curriculum of EP optional classes of a technical profile directed on development of professional competences, according to requirements of employers;
- to consider the possibility of carrying out laboratory and practical training and training practices in laboratories and workshops equipped with appropriate equipment on the basis of the Technopark of PSU. S. Toraighyrov;
- provide access to teachers and students of the College to a more modern database, as well as to ensure the availability of technical means and specialized literature of modern road transport;
- to activate the system of monitoring and evaluation of the effectiveness of the introduction of modern information technologies and innovative methods of teaching and learning (to involve students in monitoring, including through a survey on preferred teaching methods).

The EEC notes that the specialized profile of the College according to this standard contains 1 strong position, 8 satisfactory and 6 suggests improvements.

### **6.6 standard " Standards in the context of specialties»**

#### **Natural and technical Sciences**

For the acquisition of basic and professional competencies in the schedule of the educational process provides alternation of theoretical and practical training.

As part of the social partnership for leadership, participation in the work of IA involved managers and employees of structural units in which students are trained. In order to improve the quality of educational services and strengthen the training of future specialists in the specialty, Leading specialists of enterprises are involved in the management of professional practices; reviewing graduation projects, chairmen and members of the SJC : the technical Director of LLP "Eurasia Motor Pavlodar" Turgeldinov M. S., safety officer PF LLP "Casting" of Sadvakasov M. S., specialist of human resources Department of JSC "Aluminium of Kazakhstan" Abikeeva G.D., an engineer by training, too "For Mat" Nurmukanova D. T., foreman of LLP "Irtysh -Lada" Moldagaliev, K. M.-chief power engineer of the Department of PF LLP "Casting" Jailaubaev. B.M.

In the framework of training practices, production tours are conducted at the enterprise of social partners. However from words of employers of the offer on use of material resources of offices and workshops of the enterprises equipped with the necessary equipment, tools,

adaptations and materials for the organization of educational practices of the organization of EP didn't arrived.

The strengths of the EP are:

- stable teaching staff with experience in the workplace;
- planned excursions to enterprises in the field of specialization (workshops and sites);

At the same time, the management of the OP should pay attention to the organization of training practices in the areas of enterprises, in connection with which the recommends EEC IAAR:

- when developing an educational program to take into account the views of employers on the subject of additional disciplines aimed at the study of modern road transport.

The EEC notes that the specialized profile of the College according to this standard contains 3 satisfactory positions and 2 requires improvement.

## **(VII) REVIEW STRENGTHS/ GOOD PRACTICES FOR EACH STANDARD**

### **6.1. Standard " Management of the educational program »**

- orientation of the plan of development of educational programs to meet the needs of the state, stakeholders and students;
- availability of adequacy of the development plan of EP available resources, the needs of the labor market and educational policy of Kazakhstan
- close cooperation with city-forming enterprises and expanded employment opportunities.

### **6.2. Standard " Specificity of the educational program»**

- participation of the teaching staff in the development of EP;
- ensuring the possibility of passing professional practice on EP students and monitoring the satisfaction of students and employers;
- functioning of the system of individual assistance and counseling of students on EP;
- availability of monitoring system for students ' achievements

### **6.3. Standard " Teaching staff and effectiveness of teaching»**

- active participation of the teaching staff in the life of society;
- full compliance of qualification requirements to the specifics of the accredited EP;
- in the College actively supports young teachers.
- high coverage of teachers training and professional development.

### **6.4. Standard " Students »**

- formation of a contingent of students of EP and transparency of its procedures;
- participation of management and teaching staff in providing graduates with employment and communication.

#### **6.5. Standard " Resources used in the implementation of educational programs»**

- the management of EP attention to the organization and carrying out competitions, for the purpose of attraction trained to production activity.
- the possibility of availability of computer technology in the subjects taught.

#### **6.6 Standard " Standards in the context of individual specialties»**

Natural and technical Sciences

- stable teaching staff with experience in the workplace;
- planned excursions to enterprises in the field of specialization (workshops and sites);

### **(VIII) REVIEW RECOMMENDATIONS FOR IMPROVING QUALITY**

**List of the EEC recommendations on all standards related to the implementation of the criteria**

#### **6.1. Standard " Management of the educational program »**

- when implementing EP in the learning process to use regulations and guidelines for repair and maintenance of modern road transport
- to continue working on mechanisms of public access to the media through the official website of the College of information on professional, personal development and achievements of the best teachers;
- to strengthen control over the filling of documentation with strict reporting (journal of theoretical and industrial training), in accordance with the current legislation of the Republic of Kazakhstan (order No. 502 of 23 October 2007).
- systematize the internal system of quality assurance of EP.
- to develop a plan of measures to improve the issues related to the conditions of social sphere, educational activities, organization of leisure time after school hours.

#### **6.2. Standard " Specificity of the educational program»**

- in the development of curricula and working training programs include in the list of coordination of specialists of enterprises on specialization (reflect in the working curricula and working training programs on special subjects and practice changes and suggestions of employers);
- to activate information and explanatory work among students about the requirements and importance of the graduate model;

- in the specialty EP systematize uniform requirements for the preparation of course and diploma projects, when choosing topics DP take into account the activities of modern auto repair and auto transport companies, with the approval of employers;
- systematize educational and methodical documentation of teachers and strengthen their control.
- in the implementation of the OP to ensure equal opportunities for students, including regardless of the language of instruction;
- to strengthen the work on the development of students ' communication skills and in-depth study of the English language in special disciplines.

### **6.3. Standard " Teaching staff and effectiveness of teaching»**

- involve teachers of practitioners from production and systematically summarize and improve the experience of teachers with the highest category;
- regularly hold seminars and discussions on the latest teaching methodologies and technologies;
- to activate the work of teachers on the development of educational and methodical complexes, author's works with the assignment of ISBN in the National Printing Chamber;
- to direct the work on the availability of lessons of experienced teachers on the College website.

### **6.4. Standard " Students»**

- to strengthen the role of student activists in College in decision - making, to eliminate the formalism of student government.
- to strengthen the work on the safety of the contingent and attendance of students;
- to improve the infrastructure of the educational institution in order to create comfortable conditions for students.

### **6.5. Standard " Resources used in the implementation of educational programs»**

- to develop a set of measures to equip the material and technical base, as well as to assess the dynamics of the development of material and technical resources and information support of EP;
- to consider the possibility of conducting laboratory and practical classes and training practices in laboratories and workshops equipped with appropriate equipment(use of training sites of the University. S. Toraigrov and partner companies);
- to provide access for teachers and students of the College to a more modern database, as well as to ensure the availability of specialized literature of modern transport.

### **6.6 standard "Standards in the context of individual specialties" Natural and technical Sciences**

- when developing an educational program to take into account the views of employers on the subject of additional disciplines aimed at the study of modern transport.



## Conclusion of the self-assessment Commission

### Специальности 1201000 " Technical maintenance, repair and service of automobile Specialties transport »

№ п/п	Evaluation criterion	Position of the educational organization			
		Strong	Satisfactory	Suggests improvement	Unsatisfactory
<b>Standard " Management of the educational program »</b>					
1	The organization of technical and professional education demonstrates the development of the EP development plan, its focus on meeting the needs of the state, stakeholders and students.		+		
2	The organization of technical and professional education should ensure the adequacy of the development plan of EP available resources, the needs of the labor market and educational policy of Kazakhstan.		+		
3	The organization of technical and professional vocational education should involve representatives of groups of interested persons, including students, teaching staff and employers in the formation of the development plan of the EP.		+		
4	The organization of technical and professional education demonstrates the transparency of the processes of formation of the development plan of the EP. The organization of technical and vocational education provides stakeholders with information about the content of the development plan and the processes of its formation.		+		
5	The organization of technical and professional education should determine the mechanisms for the		+		



	formation and regular revision of the development plan of the EP and monitoring its implementation..				
6	The organization of technical and professional education systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-examination in all areas, develops and reviews the development plan of the EP		+		
7	The development plan of the EP is publicly discussed with representatives of all stakeholders, on the basis of proposals and amendments of which the authorized collegial body of the organization of technical and professional education makes changes to the project.		+		
8	The organization of technical and professional education demonstrates the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, differentiation and independence of the financing system.		+		
9	The management of the EP should include:				
9.1	operation management through processes		+		
9.2	planning, development and continuous improvement mechanisms		+		
9.3	monitoring, including the creation of reporting processes to determine the dynamics in the activities and implementation of plans		+		
9.4	analysis of the effectiveness of changes			+	
9.5	assessment of the performance and effectiveness of the units and their interaction			+	
10	In the organization of technical and vocational education should be documented all the main business processes governing the implementation of EP		+		
11	The organization of technical and professional education should demonstrate a clear definition of those responsible for business processes, a clear distribution of job responsibilities of staff, the division of functions of collegial bodies involved in the implementation of the EP		+		



12	The organization of technical and professional education should demonstrate the procedure for approval, periodic review (revision) and monitoring of educational programs and documents regulating this process		+		
13	The organization of technical and professional education should ensure the availability and effective functioning of a system of information and feedback aimed at students, employees and stakeholders			+	
14	The management of the EP should demonstrate the successful functioning of the quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on the facts		+		
15	The management of the EP should provide evidence of transparency of the management system with the educational program		+		
16	The organization of technical and professional education should demonstrate the presence and evidence of intensive use in the management of the EP system of collection and analysis of statistics		+		
17	The management of the EP should ensure that the satisfaction of the needs of the teaching staff, staff and students is measured and demonstrate evidence of the deficiencies identified in the measurement process		+		
18	The management of OP has to show proofs of openness and availability for trained, pedagogical collective, parents		+		
<b>TOTAL 22</b>		<b>0</b>	<b>19</b>	<b>3</b>	
<b>Standard " Specificity of the educational program»</b>					
<b>Evaluation criteria: the content of the EP</b>					
19	The organization of technical and professional education should demonstrate the presence of the developed models of the graduate of the educational program, including knowledge, skills, basic and professional competence, personal qualities		+		
20	The organization of technical and professional education should provide evidence of the participation		+		

	of teaching staff and employers in the development of EP, ensuring their quality				
21	The organization of technical and professional education should determine the content, scope, logic of the relationship of academic disciplines, as well as the impact of disciplines, industrial training and professional practice on the formation of basic and professional competencies of graduates		+		
22	The management of the EP should demonstrate the presence of a professional context in the content of academic disciplines		+		
23	The leadership of the EP should demonstrate an effective balance between theoretical and practice-oriented disciplines			+	
24	The list and content of disciplines should be accessible to students. Discipline should deal exhaustively with all the issues, the problems existing in the teaching field		+		
25	The structure of the educational program should provide for various activities, the content of which should contribute to the development of basic and professional competencies of students, taking into account their personal characteristics			+	
26	An important factor is the updating of educational programs taking into account the interests of employers			+	
<b>Evaluation criteria: individualization of educational programs</b>					
27	The leadership of the EP should ensure equal opportunities for students, including regardless of the language of instruction			+	
28	The management of the EP should ensure the availability and effective functioning of the system of individual assistance and counseling students on the educational process		+		
29	The management creates conditions for effective development of EP		+		
30	The leadership of the EP should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of		+		

	the EP				
31	The leadership of the EP should demonstrate individual support for students in the implementation of the EP		+		
32	The management of EP has to prove existence of system of monitoring of achievements of trained		+		
<b>Evaluation criteria: evaluation results of students</b>					
33	The management of the EP should ensure that an objective, accurate and comprehensive assessment of learning outcomes is in place and effectively functioning			+	
34	The management of EP should provide objectivity of an assessment of results of training and degree from formation of basic and professional competences of students, transparency and adequacy of tools and mechanisms of their assessment		+		
35	The management of the EP should ensure that the procedures for assessing the level of knowledge and skills of students are consistent with the planned learning outcomes and program objectives		+		
36	The management of EP shall carry out diagnostics of knowledge, abilities and skills trained at the beginning of training on a course and studying of educational disciplines		+		
37	The processes and criteria for evaluating learning outcomes should be transparent			+	
38	The leadership of the EP should ensure the formation of students' skills to continue learning at the following educational levels			+	
<b>Evaluation criteria : teaching methods</b>					
39	The leadership of the EP should ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods		+		
40	In the implementation of the educational program should be monitored independent work of the student		+		

41	The management of the EP should provide an opportunity for industrial training and professional practice in the specialty / qualification of students and monitor the satisfaction of students, heads 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		+		
<b>TOTAL 24</b>		<b>1</b>	<b>16</b>	<b>7</b>	
<b>Standard " Teaching staff and effectiveness of teaching»</b>					
43	For the implementation of educational programs, the management of the EP should attract practitioners and determine the proportion of 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 compliance of the staff potential of the teaching staff to the specifics of educational programs	+			
46	The organization of technical and professional education should demonstrate the availability to the public of information about the teaching staff	+			
47	The management of EP should provide monitoring of activity of pedagogical collective, a systematic assessment of competence of teachers, a complex assessment of quality of teaching			+	
48	The workload of teachers should include various activities. The management of EP has to show proofs of performance by teachers of all types of the planned loading			+	
49	The leadership of the EP should provide targeted actions for the development of young teachers			+	
50	The management of the EP should demonstrate mechanisms to stimulate professional and personal development of teachers and employees			+	
51	The management of the EP should monitor the satisfaction of the teaching staff			+	

52	The management of the EP 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 society	+			
<b>TOTAL 11</b>		<b>3</b>	<b>5</b>	<b>3</b>	
<b>Standard " Students»</b>					
54	The management of the EP should demonstrate the policy of formation of the contingent of students of the EP and transparency of its procedures			+	
55	The leadership of the EP should demonstrate awareness of the main roles (professional, social) of students based on the results of training			+	
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 support programs for gifted students.			+	
58	The management of the EP should make the maximum amount of effort to provide graduates with employment and maintain communication with graduates			+	
59	An important factor is the monitoring of employment and professional activities of graduates			+	
60	The leadership of the OP should actively encourage students to self-education outside the main program (in the framework of extracurricular activities)			+	
61	The leadership of the EP should provide an opportunity for learners to share and Express their views			+	
62	The management of the EP should create a mechanism for monitoring the satisfaction of students with the activities of the organization of technical and professional education in General and individual services in particular				+
63	The management of the EP should demonstrate the functioning of the feedback system, including the operational presentation of information on the results of			+	

	the evaluation of training results				
<b>TOTAL 10</b>		<b>0</b>	<b>9</b>	<b>1</b>	
<b>Standard " Resources used in the implementation of educational programs»</b>					
64	The management of the EP should ensure that students have access to the maximum possible amount of structured, organized information on the subjects taught: for example, presentation materials, lecture notes, mandatory and additional literature, practical tasks, 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 requirements of safety in operation			+	
66	The organization of technical and professional education creates a learning environment that promotes the formation of basic and professional competencies and takes into account the individual needs and capabilities of students		+		
67	Organization of technical and professional education should create conditions for the development of skills of students and teaching staff in the disciplines studied and the possibility of implementing these skills in competitions or in any other way in practice			+	
68	The organization of technical and vocational education should assess the dynamics of the development of material and technical resources and information support of EP			+	
69	In the organization of technical and vocational education should be created learning environment EP, 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 advice - there are personalized educational resources that help students		+		

69.4	professional orientation-students have access to personalized educational resources that assist in choosing and achieving career paths		+		
69.5	the required number of classrooms equipped with modern technical training facilities that meet sanitary and epidemiological standards and requirements			+	
69.6	the required 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 learning languages		+		
69.8	free access to educational internet resources	+			
70	The management of EP should determine the degree of implementation of information technologies in the educational process of EP, monitor the use and development of innovative teaching technologies by the teaching staff, including on the basis of information and communication technologies				+
71	Manual EP should demonstrate reflection on the website information characterizing EP		+		
<b>TOTAL 15</b>		<b>1</b>	<b>8</b>	<b>6</b>	
<b>«Standards in the context of individual specialties»</b>					
<b>Natural and technical Sciences</b>					
72	Educational programs in technical areas must meet the following requirements:				
73	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in General and core disciplines in particular.				+
74	excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)		+		

75	conducting individual classes or entire disciplines in the enterprise specialization		+		
76	the use of workshops for practical training, solving practical problems relevant to enterprises in the field of specialization, etc.			+	
77	The teaching staff involved in the EP should include practitioners with experience in enterprises in the field of EP specialization.		+		
<b>TOTAL 5</b>			<b>3</b>	<b>2</b>	
<b>TOTAL FOR ALL STANDARDS</b>		<b>5</b>	<b>60</b>	<b>22</b>	

