



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of an external expert commission on assessment for compliance with the requirements of standards of specialized accreditation of educational programs

SPECIALTY:1302000 «Automation and control»
QUALIFICATION:1302023- electro mechanic (electrician)
1302012- instrumentation and automation fitter

Private Establishment «ZHEZKAZGAN COLLEGE OF
BUSINESS AND TRANSPORT»
from May «19» to May «21» 2019.

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

External expert commission

*Addressed to
Accreditation
council IAAR*



Независимое агентство
аккредитации и рейтинга

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(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

JSC RSMC	Joint-Stock Company Republican Scientific and Methodological Center for the development of Technical and Vocational Education and Qualification
JSC NC «KTZh»	Joint-Stock Company National Company «Қазақстан темір жолы» (Kazakhstan Temir Zholy)
A&C	Specialty Automation and Control
AP	Administrative part (Administrative – economic part)
IC	Intercollegiate control
EW	Educational work
HEI	Higher educational institution
GED	Group «Experienced designer»
SCS RK	State compulsory standard of technical and vocational education
DOE	Disciplines determined by the organization of education
GD	Graduate design
DDETW	Deputy Director for educational (training) work
DDEMW	Deputy Director for educational and methodical work
DDEPW	Deputy Director for educational and production work
DDEW	Deputy Director for educational work
HLS	Healthy lifestyle
FA	Final examination (final attestation)
IPC	Informational publishing center
ICT	Informative communicational technologies
ETS	Engineering teaching staff
IT	Informational technologies
C	Consultations
CFR	Club of funny and resourceful students
YC	Youth committee
QIC	Qualification increasing courses (Continuing Education Courses)
CTP	Calendar thematic plan
MI RK	Ministry of Interior of the Republic of Kazakhstan
CGM	College graduate model
YW “Zhas Otan”	Youth wing “Zhas Otan”
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MC	Methodical council

SRW	Scientific Research work
NEDB	National educational database
SMW	Scientific Methodical work
GHD	General Humanitarian disciplines
HR	Human resource
RMA	Regional methodical association
GS	General subjects (General educational disciplines)
LLC	Limited liability company
EP	Educational programs
GPD	General professional disciplines
JP	Specialty Jurisprudence
IQF	Industry qualifications framework
ESSC	Executive secretary of the selection committee
ALPEQ	Assessment of the level of professional readiness and qualification
IDP	Institutional development plan
QI	Qualification improvement
PT	Production training
PP	Professional practice
PAT	Professionally applied training
PR	Procedure
PW&M	Production work and marketing
PS	Professional standards
PTD	Production and technical department
RK	Republic of Kazakhstan
RT	Rating of teachers
REMA	Republican educational – methodical association
WEP	Working educational plans (Work curriculum)
WEPAD	Work curricula (Working educational plans of academic disciplines)
ADS	Automatic design system
SD	Special disciplines
SDB	Student design bureau
QMS	Quality Management System
SED	Social economic disciplines
T&PE	Technical and professional education
TTT	Technical training tools
LP	Limited partnership

LP ZhRWC «KM Tranco»	Limited partnership Zhezkazgan railway complex «KM Tranco»
SEP	Sample educational program (Model curriculum)
SC	Sample curriculum
TOUR	Specialty Tourism
ETW	Educational training work
EMC	Educational methodical complex
EMA	Educational methodical association
TC KR	Training Center in Karaganda region
EPW	Educational and production work
EW	Educational work
OC	Optional classes
PE ZhCB&T	Private establishment «Zhezkazgan college of Business and Transport»
CMM	Specialty Clothing manufacture and modeling
EEMC	Electronic educational methodical complex

(II) INTRODUCTION

In accordance with the order of NU "Independent Agency for Accreditation and Rating"

No. of order 58-19-ОД dated 02.05.2019 at the PE Zhezkazgan College of Business and Transport specialized accreditation of educational programs was carried out: 1302000 "Automation and Control": 1302023- electro mechanic; 1302012- instrumentation and automation fitter standards of specialized accreditation of the IAAR.

EEC report contains an assessment of the conformity of the presented educational programs of educational organization with the IAAR criteria, recommendations of the EEC on further improvement of educational programs and the profile parameters of educational programs at PE "Zhezkazgan College of Business and Transport"

The composition of EEC at the PE "Zhezkazgan College of Business and Transport"

1. **The chairman of the commission** is Yenkenov Bauyrzhan Bolatkhanovich, Deputy Director on Innovative Technologies, State Enterprise SUE "Taldykurgan College of Manufacturing Industry and New Technologies", (c. Taldykorgan);
2. **Foreign expert** – Sosnin Vyacheslav Victorovich, Director of the Soyuz Center (c. Omsk, Russian Federation);
3. **Expert** – Kaipbayeva Zhuldyz Shamilyevna, Deputy Director on educational production work of Kostanay Higher Polytechnic college (c. Kostanay);
4. **Expert** – Yermuhambetov Bulatkhon Seidakhmatovich, teacher of special disciplines of Management and Business college (c. Nur-Sultan);
5. **Expert** – Kaiyrkhanova Akmaral Muratovna, Head of Technology and Tourism department SPUE (State-owned public utility enterprise) "College of Tourism industry and Hospitality" (c. Almaty);
6. **Expert** – Iskakov Sungat Serikovich, Head of the methodical association of energy disciplines and communications SUE "Higher college of Schuchinsk city" (c. Schuchinsk);
7. **Expert** – Azhenova Karlygash Sultanalievna, teacher of special disciplines of Management and Business college (c. Nur-Sultan);
8. **Observer from Agency** – Bekenova Dinara Kairbekovna, Head of project on accreditation of organization T&PE IAAR (c. Nur-Sultan);
9. **Employer** – Ospanova Almagul Kandildayevna, notary (t. Zhezkazgan);
10. **Student** – Balabayeva Gulim Nurtaikyzy, the student of the third course of specialty 1203000 "Organization of transportation and traffic management on railway transport" SPUE "Zhezkazgan Polytechnic college" (t. Zhezkazgan).

(III) REPRESENTATION OF EDUCATIONAL ORGANIZATION

Private establishment «Zhezkazgan college of Business and Transport» (further college) has been operating since June 23, 2009 and carries out educational activities in the field of secondary technical and professional, post-secondary education on the basis of a state license valid for unlimited period issued by the Education Department of Karaganda region, AB series № 0039673 dated June 23, 2009.

Due to the approval of new classifier of professions and specialties of technical and professional, post-secondary education, the state license for the right to provide educational services № KZ14LAA 00003150 was updated on September 23, 2014.

The college implements State programs of secondary, technical and professional education, that allow students to acquire practical skills in related specialties of professional and technical education.

College activity is governed by the following regulatory documents: by the Law of the Republic of Kazakhstan “About Education” of July 27, 2007 № 319-III (with changes and additions as of January 1st, 2019.), Standard rules for the activities of types of technical and professional organizations, post-secondary education approved by the order of MES RK №369 dated September 11, 2013, State compulsory education standards (Decree of Government of the Republic of Kazakhstan dated August 23, № 1080, Order № 604 dated October 31st, 2018.) State program for the development of education in RK for the years between 2016-2019, Law on “languages in the Republic of Kazakhstan” (Law of the Republic of Kazakhstan № 151 dated July 11, 1997), by orders, instructive methodical letters of the Ministry of Education and Science of RK, by college charter, QMS documents, college strategic plan for the years 2015-2019.

In February of 2014, the college successfully passed its first state certification and defended a state license in all specialties.

In 2017, the college passed the institutional and specialized accreditation of IAAR in two specialties: 1108000 – “Exploitation, repair and maintenance of rolling stock of railways (by branches)” and 1203000 “Organization of transportation and traffic management on railway transport”

Between 2009 – 2011 years the college passed the organizational and adaptation period of its development. Along with some successes achieved, during this time many pressing problems and difficulties have been accumulated at college, moreover, this period coincides with the modernization processes in education being implemented in the Republic, including the T&PE system within the framework of the state education development program for years 2011-2020.

College was necessary to overcome the main important problem – this is a low qualification competency level of the existing teaching-manager and pedagogical staff at college and lack of consistency, clarity and focus in the implementation of the educational activities of the college.

Due to this, the Experimental Development Program of the PE “ZhCB&T” on the topic of “Creation of a pedagogical quality management system for years 2011-2015”, which was established by the Regional Expert council (Protocol №13 dated December 12, 2011) and by the Order of ED KR за №322 dated August 08, 2012, according to which PE “ZhCB&T” was recognized as an experimental site for the creation of a pedagogical quality management system.

The college successfully completed this stage of development, the result of which was the creation of a quality management system for the educational activities of the college at the request of ISO CT PK 9001-2009.

Educational activities in the context of specialties are carried out on the basis of a state license for the right to provide educational services of AB series № 0039673 dated June 23, 2009. The college trains specialists in 4 accredited specialties, 7 qualifications, full-time and part-time forms of education on the basis of basic secondary and general secondary education. Teaching languages are State and Russian.

Table 1. Specialties

№ n/o	Cypher	Name of specialties and qualifications	Teaching term	Opening date
1.	1302000	“Automation and Control”	2y. 10 months/3 y. 10 months, in state & Russian lang. full-time and part-time forms of education	since 2009
2.	1211000	“Clothing manufacture and modeling”	2y. 10 months/3 y. 6 months, in state & Russian lang. full-time and part-time forms of education	since 2013
3.	0201000	“Jurisprudence”	1y. 10 months/2 y. 10 months, in state & Russian lang. full-time and part-time forms of education	since 2009
4.	0511000	“Tourism”	2y. 6 months/3 y. 6 months, in state & Russian lang. full-time and part-time forms of education	since 2009

Brief history of educational programs 1302000 “Automation and Control”: 1302023- electro mechanic; 1302012- instrumentation and automation fitter.

Over the years of its development (since 2009) the college has grown into a large educational institution with a highly qualified staff of engineering teachers and a powerful material and technical base. At college since the moment of its opening, training in the specialty 1302000 Automation and Control, qualification 130201 3 – electro mechanic is going on.

In 2018, studying the economic industrial directions of the region's development, in particular, the implementation of a large-scale project for the construction of "Saryarka" gas pipeline along the Karaozek (Kyzylorda region) – Zhezkazgan – Karaganda – Temirtau – Astana route. Within the framework of the state project for gasification of central and northern regions of the country, the college accepted 31 students by profile 1302000 "Automation and control of technological processes of oil and gas production" and trains specialists by qualification 1302012 instrumentation and automation fitter, 1302023 electro mechanic.

To build practical knowledge among students on the Installation and exploitation of automated systems, excursions are carried out to enterprises (LLC "Tranco Zhezkazgan").

For practical study in order to deepen and consolidate the knowledge of special disciplines in certain sections: "Organization of installation work", "Installation of automated systems", "Exploitation of automated systems", "Basic concepts of process automation", "General automation of factory installations" excursions are conducted to enterprises at which special attention is paid to the rules for the inspection of the organization of installation works and installations of automated systems.

Professionally guided excursions are conducted to address the issues of adapting education to requirements of the modern labor market. Visiting production, many students are thinking about choosing their future place of practical training and further employment. Manufacture excursions have a great influence on the formation of interest in a specialty, as they combine the visibility and accessibility of perception with the ability to analyze, compare, draw conclusions.

Teachers of special disciplines for conducting laboratory and practical classes widely use specialized rooms, where there is the necessary equipment for specialized training.

Educational program 1302000 "Automation and control", is demanded in the labor market. Annually admission for specialties is an average of 50 to 66 people, employment - 60-70%. Since the academic year 2017-2018, new recruitment groups specializing in 0907000 "Heat engineering equipment and heat supply systems (by branches)", 1118000 "Equipment of catering enterprises of trade and meat industry" participate in a dual learning experiment. Social partners participated in the experiment: SCE "Zhezkazgan heat power company", LLC "Trade equipment". Representatives of enterprises discussed their wishes and requirements for training specialties.

At PE "Zhezkazgan College of Business and Transport" highly qualified teachers work.

Director of the college Zhumkina Svetlana Serikbayevna is a candidate of philological sciences, a corresponding member of the Academy of Pedagogical Sciences of Kazakhstan, professor of Russian Academy of Sciences of natural sciences, "Honorary worker of Education of the Republic of Kazakhstan", deputy of Zhezkazgan maslikhat, "Zhastar Zhanashyry - 2016".

Teachers' achievements of the department of special disciplines «Business»

№	Name of a teacher	Title	Number of Certificate
Regional scientific and practical conference: "Competence pedagogy is a priority mechanism of modernization of education»			
1	Sarina K.A.	Modernization of education on the social basis of Kazakhstan	certificate
2	Mussina G.G.	Cooperation between the enterprise and the college as a tool for training competitive specialists in the labor market	certificate
3	Yermaganbet F.S.	Industrialization is the only way to develop the economy of Kazakhstan	certificate
4	Absatova A.Zh.	Aspects of industrial and innovation policy	certificate
5	Yermaganbet F.S.	"Technology of projecting the professional standard in educational program"»	certificate
6	Zhandildinova S.	Family education and marriage rights	certificate
7	Omarova A.A.	Self-government is one of the ways students fulfill themselves	certificate
8	Stankulov E.T.	Features of the direction of professional orientation in a market economy	certificate
9	Kenesbekova N.K.	"Technology of projecting the professional standard in educational program"»	certificate
International scientific and practical conference " Updating content of education: new opportunities and prospects of development"			
10	Sarina K.A.	Independence is the key to the future	Certificate was included into the collection
11	Mussina G.G.	Main aspects of training competitive specialists in the labor market	Certificate was included into the collection
12	Omarova N.T.	The effectiveness of the updated education	Certificate was included into the collection
II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"			
13	Mussina G.G.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
14	Sarina K.A.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	3 rd degree diploma
16	Kenesbekova N.K.	The lesson on the theme: "Processing of sleeves and connection with a product»	certificate
17	Kenesbekova N.K.	The city competition: Independence is our main value	letter of appreciation
18	Tungushbayeva M.Zh.	As part of the development program " creation of quality management system»	letter of appreciation

19	Tungushbayeva M.Zh.	«Modern world problems» II scientific practical conference	letter of appreciation
20	Mussina G.G.	III regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
21	Mussina G.G.	Strategy "Kazakhstan-2050" – The opinion of the youth about our country»	letter of appreciation
22	Akhanova A.G.	Participation for active in public works and success in job	diploma of honor
23	Omarova N.T.	With the II degree diploma the best lesson using ICT is awarded	2 nd degree diploma
24	Tungushbayeva M.Zh.	Participation for active in the social and political life of the city, personal work and creative contribution to the creation of a new Kazakh society. akim of Zhezkazgan Akhmetov B. D.	letter of appreciation
25	Sarina K.A.	"A competent teacher» The modern teacher as a master teacher	diploma
26	Sarina K.A.	The work of college "Language is the support of the people"	diploma
27	Sarina K.A.	The Zhezkazgan city of maslikhat for her great contribution to social and economic development, participation active in a public works and success in job	diploma of honor
28	Sarina K.A.	VI College Cup "Kasym", dedicated to 100 anniversary of M. Imaginova and B. Bulkysheva " The mountain sons"	letter of appreciation
29	Mussina G.G.	«The Best organizer» «The modern teacher as a master teacher	diploma
30	Mussina G.G.	Participation for active in the social and political life of the city	diploma of honor
31	Omarova N.T.	"Changes in my practice»	2 nd degree diploma
32	Stamkulov E.T.	For selfless work, contributed to the prosperity of the sovereign Republic of Kazakhstan	Diploma from Nur Otan
33	Kenesbekova N.K.	The city competition: Independence is our main value	letter of appreciation
34	Tungushbayeva M.Zh.	As part of the development program " creation of quality management system»	letter of appreciation
35	Tungushbayeva M.Zh.	II regional scientific and practical conference "modern world problems»	letter of appreciation
36	Mussina G.G.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
37	Akhanova A.G.	Participation for active in public works and success in job	diploma of honor NurOtan
38	Omarova N.T.	With the II degree diploma the best lesson using ICT is awarded	2 nd degree diploma
39	Sarina K.A.	Presentation "Direct current laws" Educational portal "Знанию"	certificate

40	Sarina K.A.	Presentation "Суйкты немесе газдалган" Educational portal "Знанию"	certificate
41	Sarina K.A.	Presentation "Electro statistics" International catalog of "Presentations" for teachers and students	certificate
42	Sarina K.A.	Presentation "Laws of Newton" Educational portal "Знанию"	certificate
43	Sarina K.A.	Presentation on physics "Deformation" Site Info lesson	certificate
44	Tungushbayeva M.Zh.	Basic elements of Combinatorics, Site "Bilim al"	certificate
45	Tungushbayeva M.Zh.	Program MS office, Site "Bilim al"	certificate
46	Sarina K.A.	Competition for teachers "Smart" (Umnata)	1 st degree diploma
47	Absatova A.Zh.	Competition of republican scientific projects	letter of appreciation
48	Tungushbayeva M.Zh.	Internet competition "Best premiere" (Uzdik tusaukeser)	2 nd degree diploma
49	Tungushbayeva M.Zh.	Olympiad world – Olympiad "ICT teacher competency"	2 nd degree diploma
50	Tungushbayeva M.Zh.	Olympiad world - Competition "Use of ICT in math classes"	Nominee "Talent of pedagogy 2017"
51	Tungushbayeva M.Zh.	Competition of republican scientific projects	letter of appreciation
52	Tungushbayeva M.Zh.	Olympiad world – ICT competence	certificate
53	Absatova A.Zh.	Republican Competition "The best lesson presentation"	2 nd degree diploma
54	Tungushbayeva M.Zh.	International creative contest "My master class"	1 st degree diploma
55	Tungushbayeva M.Zh.	International creative contest "Methodical working-out of teachers"	1 st degree diploma

**PE «Zhezkazgan college of Business and Transport»
List of teachers with honorary titles and awards**

Table 2. College awards

№	Full name	Awards, medals
1	Altynbekov Bekzat Komarovich	Silver medal «MAECENAS» RK year 2012
		Certification №161 Badge «HONORARY WORKER OF RK EDUCATION» 24.07.2013y.
		Certification №085 International Kazakh creative association «The World of Peace» Medal «Pride of the Nation» 02.02.2015y.
		Certification №0409 Was awarded with a gold medal by the “Birlik” society of the Assembly of people of Kazakhstan 2016y.
		Certification №157 Badge «Y. Altynsarin» 13.12.2017y.
		Certification №11196 By the decree of the President of RK N.A. Nazarbayev was awarded with «Shapagat» medal 05.12.2017y.
2	Zhumkina Svetlana Serikbayevna	Certification №399 Badge « Y. Altynsarin » 11.05.2010y.
		Certification №273 Badge « HONORARY WORKER OF RK EDUCATION » 23.08.2013y.
		2016y. Commemorative medal in honor of the Centenary of the National Liberation Uprising of 1916
		Certification №58 Badge “Honored Education worker of Karaganda Region”
3	Baikenova Madina Suindikovna	Certification №324 International Kazakh creative association «The world of Peace» Medal «Y. Altynsarin » 24.10.2015y.
4	Ospanova Laura Abubakirovna	Certification №51 Badge «HONORARY WORKER OF RK EDUCATION» 05.10.2016y.
5	Nurtazina Zhansaya Serikovna	Certification №510 International Kazakh creative association «The world of Peace» Medal «Leader of Education» 19.12.2015y.
6	Disekenova Mashikar Ismakovna	Certification №0703/4865 Association of «Kazakhstan teachers» First degree medal holder 23.09.2015y.
7	Saduakassov yerbolat Kabdyrakhmanovich	Certification №203 Medal “For participating in the development of physical education and sports”
8	Zhumkina Makpal Serikbayevna	Winner of the medal in honor of the 20 th anniversary of Independence of the Republic of Kazakhstan
9	Amzina Gulnar Serikovna	Certification №348 «60 years to the city of Zhezkazgan» Was awarded with the event medal 16.09.2014y.
10	Mussina Gulnara Galymovna	Certification №328 Badge «HONORARY WORKER OF RK EDUCATION» 11.12.2017y.
11	Mussina Lyazzat	Certification №561 Badge «HONORARY WORKER OF RK EDUCATION» 10.12.2014y.
		Registering №029 Was awarded with the badge of «Authoritative director of school» 07.06.2017y.

№	Awards
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1.	The college was awarded a diploma based on the rating of educational activities by the department of Education of Zhezkazgan region for 2008 in the category of “Creativity and Search”;
2.	Letter of appreciation for active participation in the national contest “The best online model for teaching and technical profession in primary and secondary professional education institutions ”;
3.	“Grand Prix” of the Republican contest among Kazakhstan colleges for free and open source software, author of the site «IT –news, News portal”;
4.	Annual prizes in the Republican competition of scientific projects of small RK Academy of Science (Pavlodar department);
5.	Prize-winning places of the international history Olympiad among teachers, Russian Federation Kazan city; November 2014y.
6.	Prize-winning places of the international Olympiad in institutional economics among teachers, Russian Federation Kazan city; June 2014y.
7.	Prize-winning places of the international Olympiad in economics among students, Russian Federation Kazan city; November 2014y.
8.	Winners of the international competition of scientific projects of students “Cognition magnet”, RF Cheboksary city, years 2012 and 2013.
9.	Winner of the second All-Russian creative project, “Popularization of intellectual creativity in Russia” subproject “ Soul ... says and shows”; 2014y.
10.	Prize-winning places of the first international competition “My innovative lesson”; 2014y;
11.	Second place of the IV Republican competition «Great Teacher» The last state certification of the institution was held in 2016.

Each year, the college holds a student scientific-practical conference "Young Scientist". The number of participants and works is growing every year.

According to the results of monitoring the scientific and methodological work of technical and vocational education organizations of Zhezkazgan region for the 2015-2016 academic year, the college took 6th place among 36 colleges.

College teachers are successfully participating in professional skills contests, as well as in scientific and practical conferences at various levels.

Over the course of 3 years, the college has trained personnel for industrial energy, heat power engineering, and the food industry and sectors of Kazakhstan, in particular, for the Northern region more than 180 people.

The priority issue in the quality management policy of vocational education is social partnership, which provides the educational institution with the solution of issues of vocational

training and employment. Long-term cooperation agreements were concluded with organizations of the city, region and beyond: “Atikoagro” LLP, SCE “CSFO” “Titan” LLP and others.

Qualitative staff meets the qualification requirements for the implementation of educational programs.

Table 3. Quantitative and qualitative composition of ETS

Specialty	Academic years	Totally PTS	Including				
			Highest category	First category	Second category	Masters	PhDs
1302000 “Automation and control”	2018-2019	25	8	7	3	3	

The share of full-time teachers, the percentage of teachers with higher, first category and masters corresponds to the Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 “On approval of qualification requirements for educational activities, and a list of documents confirming compliance with them” as amended on November 16, 2018.

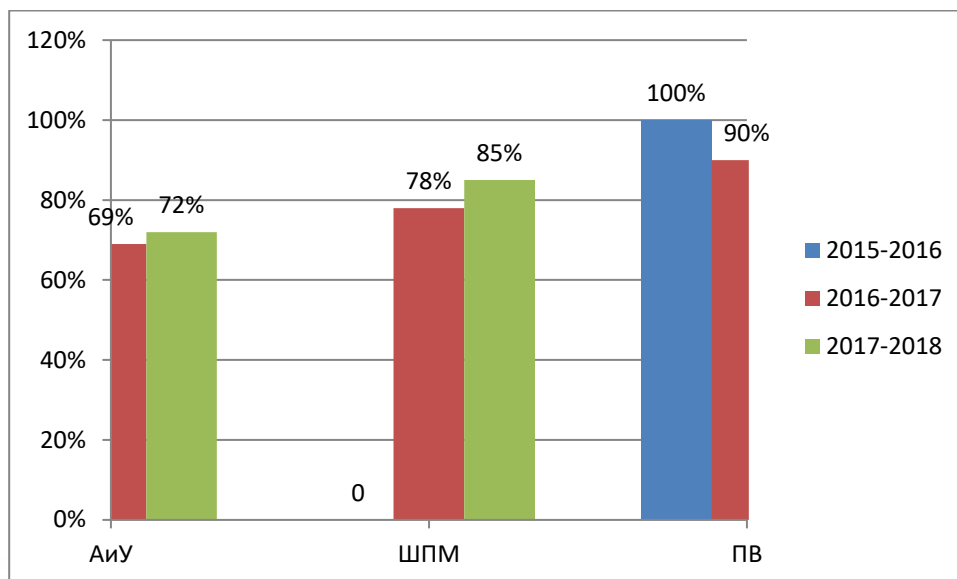
The set of teaching staff in the academic year 2018-2019 is: according to the EP: 1302000 “Automation and Control”, the number is 25 persons, including 24 full-time teachers (96%). Of these, full-time teachers: with the highest category –8 persons, with the first category –7 persons, with the second category –3 persons, without a category –7 persons, master — 3 persons.

The work on the formation of the contingent is carried out in the context of accredited specialties and qualifications: the basic level of education of the applicant (basic secondary education and general secondary education), full-time education, languages of instruction (Kazakh and Russian).

Table 4. Contingent by specialties for 2016-2019

Quantity of students	2016-2017	2017-2018	2018-2019
Specialty 1302000 – Automation and control (by profile)			
Total	22	21	32
By state order	10	20	31
Paid	12	1	1
In state language	22	21	32

The employment of college graduates in the specialty 1302000 is 69%



Graduate Employment Rate

The content of educational programs is based on active teaching methods, such as traditional teaching technologies; technologies for collaboration, mentoring and innovation; educational development technologies; game learning technologies; problem education technologies; programmed learning technologies; contextual learning technologies, etc.

In order to generate interest in specialties, vocational guidance, various events are organized at college in form and content:

- contests and Olympiads in subjects,
- Open door days,
- visiting museums,
- regional championship WorldSkills Kazakhstan,
- round tables with social partners,
- intellectual events on the history of the region,
- literary reading contests,
- activities within the framework of the implementation of the “Education and Knowledge” subprogramme of the program “Rukhani zhangyru”, “Tugan zher”.
- college sports sections,
- career guidance work among students of regional schools,
- sports competitions,
- As part of this work of the student government "Zhiger", the following clubs work:
 - Volunteer club "Eriktiler" - head of the master of industrial training Balkozhayev A.K.;
 - Debate club "Adilet" - the head is a teacher of History N. Zharaspayeva;
 - Intellectual club "Zerde" - the head is a teacher of special subjects Sarina A.A.;
 - Club of Cheerful and Resourceful “Temir Zhol Tarlandary” - the head is a Physics teacher

E. Stamkulov;

- Club "Zhas Kasipker" - the head is a teacher of special subjects A.N. Komar;
- Club "Akparat" - the head of the club M. Baykenova, a teacher of Kazakh language and literature.

– master classes.

College students attend orphanages with concert programs, conduct sports, conduct college excursions for graduation classes, and provide assistance to older people on the party's project "Glorify veterans".

The basics of the documents for the implementation of the educational program 1302000 "Automation and Control" are standard curricula, standard curricula in the disciplines, an experimental work plan, working curricula, calendar-thematic plans, teacher-lesson plans.

All these types of documents were submitted to the EEC. The training program is aimed at completing tasks in accordance with the mission.

The teaching staff of the educational program 1302000 "Automation and Control" consists of 25 teachers, among them 10 are masters, 15 are with the highest and first category, 3 are masters.

Today the college has 2 educational buildings and for nonresident students a dormitory with 100 places is functioning. The total area of the college is 1767.3 m², where classrooms are located, a lecture interactive room for 60 seats and additional seats with interactive equipment connected to the Internet for lectures, conferences, seminars, various events, with the possibility of demonstrating video materials, a library, 4 training laboratories, 1 workshop, 1 training ground for practical training, 3 classrooms with interactive whiteboards, 5 computer rooms of a new modification in special subjects with a quantity of 139 units, medical cabinet, a student café "Korkem" and a dining room for 170 seats, a student dormitory for 100 seats, equipped with the necessary equipment and furniture. Youth Center, EGOV Student Service Center, EGOV Self-Service Corner, and BEK & NAR Scientific and Methodological Educational Publishing Center. In order to ensure the safety of life of students and staff, a security service operates; the internal and external territories of the college are connected to video surveillance.

College rooms are equipped with fire extinguishers. The college has a centralized drinking water supply, there is a sewer and drains. The college heating system is connected to the central heating system of the city.

The task of information support is a library that operates under the "Information Support" procedure (QMS-KP-12). The total book fund of the library is 42,214 copies. Bookstores are represented by racks for placing the book fund and other information materials.

Information about the book fund in the specialty 1302000 "Automation and Control" is given in table 5.6.

Table 5.6 Book Fund by specialty:

Specialty \ Fund	Basic literature, exemplars	Additional literature, exem.	General book fund, exemplars
A&C	4885	4001	8886

The institution has two departments: full-time and part-time. Office management is carried out by the heads. Engineering and teaching staff is distributed in three departments.

To carry out activities aimed at preserving the psychological and social well-being of students, units have been introduced at the college: psychologist, social teacher.

The main social partners of Zhezkazgan College of Business and Transport PE are: “IIC Utaria ltd” LLP, “KTZh NC” JSC, PEA Zhumkin, K.S., PEA Adamiyanov B.K., “TrankoZhezkazgan” LLP, City Court of the city Zhezkazgan. According to EP 1302000 “Automation and Control” - JSC “NC KTZh” and Zhezkazgan oil pipeline department of “KazTransOil” JSC.

All conditions were created for the work of the EEC, access to all necessary information resources was organized. Within the framework of the planned program, the primary key recommendations for improving college activities developed by the EEC based on the results of the examination were presented at a meeting with the college management. The college management at the final meeting was explained about the following procedures.

The events planned during the visit allowed the members of the EEC IAAR to conduct an independent assessment of the conformity of the data presented in the college self-assessment reports with the criteria for specialized accreditation standards.

The cluster's educational programs comply with licensing and qualification requirements. The norms prescribed by law and described in the college self-report during the visit to the EEC are confirmed. The content of educational programs and educational technologies comply with the standards, adapted to the needs of the population and employers, and are periodically updated in accordance with changing conditions.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

In 2017, Zhezkazgan College of Business and Transport, a private institution, passed institutional and specialized accreditation of the IAAR in two specialties: 1108000 - “Exploitation, repair and maintenance of rolling stock of railways (by branches)” and 1203000 - “Organization of transportation and traffic control for railway transport”

(V) DESCRIPTION OF EEC VISIT

The work of the EEC was carried out on the basis of the program of the visit of expert commission on specialized accreditation of educational programs at Zhezkazgan College of Business and Transport, from May 19 to 21, 2019.

In order 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 directors for academic work, for educational and methodical work, for production, educational work, with a specialist in QMS, with a manager correspondence department; and the conversation took place with the heads of the departments of special, general educational disciplines, the leaders of “Zerde” scientific association, “Sheberlik” school of excellence, the school of young specialist “Ushkyn” and the psychologist.

The list number of interviewees was 178 people.

In order to coordinate the work of the EEC in the college, an assembly meeting was held, during which the powers were distributed among the members of the commission, the schedule of the visit was clarified, agreement was reached on the choice of examination methods.

The meetings of the EEC with the target groups were held in accordance with the revised program of the visit, in compliance with the established time period. On the part of the staff, the Private Establishment “Zhezkazgan College of Business and Transport” was provided with the presence of most of the persons indicated in the program of the visit.

Table 5. Information about interviewees:

<i>Category of participants</i>	<i>Quantity</i>
Director	1
Deputy directors	4
Chair heads	3
Department heads	2
specialist in QMS	1
Head of “Zerde” scientific association	1
Head of “Sheberlik” school of excellence	1

Head of young specialist's school "Ushkyn"	1
Teachers and masters of industrial training	33
Psychologist	1
Students	55
Graduates	30
Employers, social partners	13
Students' parents	32
Totally	178

During the work of the EEC, a visual inspection of the college infrastructure was conducted: classrooms, laboratories, computer classes, a library, a reading room, a hostel.

Also studied the documentation of departments, departments that implement accredited educational programs. The base of practices of accredited programs was visited (JSC "NC" KTZh ").

When visiting JSC "NC" KTZh ", the experts got acquainted with the material and technical base.

In the organization of JSC "NC "KTZh" students in the specialty 1302000 "Automation and Control" undergo practical training. At the time of the visit, 3-year students were in the field of practical training. The head of the practice is the head of the site Abzhanov Toleubiy Zhumkanovich. During the practice, students were divided into three groups according to services: SCB (signaling centralized blocking), RTC (radio-train communication) and IA (instrumentation and automation). According to T. Abzhanov, students undergo practical training in an introductory form, they are not allowed to perform any electrical work. Communication electrician Baigulova Vera Suleimenovna showed the equipment of the communication room, students are familiar with the purpose of the main nodes.

To assess the level of theoretical training of students, EEC experts attended training sessions. Unfortunately, at the time of accreditation, it was not possible to attend classes in special disciplines, since second and third year students were in practice, and fourth year students were in graduate design. But it was also not possible to attend consultations on the graduate design.

Table 6. Lesson attendance

Date	Group	Discipline	Full name of teachers, category	Theme of the lesson	Type of the lesson
20.05.2019y	TOUR-101	Russian language and literature	Amzina G.S., I cat	Direct and indirect speech	Lesson-research, formation of students to replace direct speech with indirect, the ability to use indirect speech
20.05.	TOUR-	Physics	Sarina K.A.	ЖЫЛУЛЫҚ	Type of the lesson: work

2019 у	101			сәуле шығау.	in pairs. Білімділік: модуль боцынша тақырып мазмұнын талдау, білімдерін жинақтау.

Analysis of lesson attendance indicates a good quality teaching staff, a sufficient theoretical level of training. In the auditory, teachers use modern teaching technologies, information and communication technologies. Systematically improve qualifications. Analysis of the activities of the teaching staff of the college testifies to the desire of the team to improve the quality development of the college. But at the same time, when examining classrooms and talking with the teacher special. disciplines did not identify specialized programs, virtual laboratories in which students would work.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Educational program management"

- *T&PE organization demonstrates the development of an EP development plan, its focus on meeting the needs of the state, stakeholders and students.*
- *T&PE organization must ensure the adequacy of the development plan of the EP to the available resources, the needs of the labor market and the educational policy of Kazakhstan.*
- *T&PE organization should involve representatives of stakeholder groups, including students, the teaching staff and employers, in the formation of the EP development plan.*
- *T&PE organization demonstrates the transparency of the processes of forming the development plan of the EP. T&PE organization ensures that interested parties are informed about the content of the development plan of the EP and the processes of its formation.*
- *T&PE organization should determine the mechanisms for the formation and regular review of the EP development plan and monitoring its implementation.*
- *T&PE organization systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-examination in all areas, develops and revises the development plan of the EP.*
- *The EP development plan is being publicly discussed with representatives of all interested parties, based on the proposals and amendments of which the authorized collegial body of T&PE organization makes changes to the project.*
- *T&PE organization demonstrates the degree to which the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, delimitation and independence of the financing system are implemented.*
- *EP management should include:*
 - *process management*
 - *mechanisms for planning, development and continuous improvement*
 - *monitoring, including the creation of reporting processes to determine the dynamics in the activities and implementation of plans*
 - *analysis of the effectiveness of change*

-assessment of the effectiveness and efficiency of the units and their interaction”

- The organization of T&PE must document all the main business processes governing the implementation of EP
- T&PE organization must demonstrate a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the personnel, and a delineation of the functions of collegial bodies involved in the implementation of EP
- T&PE organization must demonstrate the procedure for approving, periodically reviewing (revising) and monitoring educational programs and documents governing this process
- T&PE organization must ensure the existence and effective functioning of a system of informing and feedback oriented towards students, employees and interested persons
- EP management must demonstrate the successful functioning of the EP quality assurance system, including its design, management and monitoring, their improvement, decision-making based on facts
- EP management must provide evidence of the transparency of the educational program management system
- T&PE organization must demonstrate the availability and evidence of the intensive use of statistics collection and analysis system in the management processes of the EP
- EP management should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and students and demonstrate evidence of eliminating deficiencies found in the measurement process
- EP management must demonstrate evidence of openness and accessibility for students, teaching staff, parents

Evidence part

Strategic educational activities of the college are reflected in the planning, reporting and regulatory documents of the college.

In the accredited specialty 1302000 “Automation and Control”, they carry out planning, implementation, control and evaluation (monitoring), analysis with the aim of improving the quality of their activities in the implementation of educational programs based on developed and documented procedures.

Long-term planning, forecasting, management and implementation of the main directions of the EP is carried out through the development, approval and implementation of the Strategic Plan for the Development of the College, a long-term college plan. Short-term planning includes: ETW plans, QI plans, WEP, working educational programs, individual teachers' plans, lesson plans

The development of general competencies covers: general education, socio-ethical competencies, economic and organizational and managerial competencies; willingness to fulfill social, economic, professional roles, geographical and social mobility in accordance with the level of education. Special competencies are acquired by students in the study of special disciplines, the protection of course and graduation projects, educational, professional and undergraduate practices.

The content of the accredited EP is consistent with the State Educational Standards and other legal acts of the Republic of Kazakhstan in the field of T&PE and ensures a sufficient

quality of training for a specialist who meets the mission of the college and the needs of employers.

The college's management system is focused on adhering to the principles of collegiality and transparency. The supreme governing body is the Pedagogical Council.

All college procedures and processes are aimed at maintaining and developing the achieved level of education quality.

Feedback with students and employers is carried out by conducting a survey, questionnaires and through the college website. In order to determine the satisfaction of teachers, students, parents, employers in the college, questionnaires are regularly conducted. Satisfaction is determined for each issue. We consider the proposals of consumers to improve the organization of the educational process.

An annual analysis of employer satisfaction with the quality of graduate training is carried out. In November 2018, a questionnaire was conducted that covered 9 social partners: "IIC Utaria ltd" LLP, KTZh NC JSC, PEA Zhumkin K.S., PEA Adamiyanov B.K., "TrankoZhezkazgan" LLP, City court of Zhezkazgan. The questionnaire consisted of 6 questions, the results of which revealed the level of interaction of the college with social partners through feedback.

The survey results show that the majority of social partners, when selecting young specialists, pay attention to the direction and quality of the candidate's education, the level of professional knowledge, personal and business qualities, and the candidate's general abilities. According to all social partners, the prestige of a college diploma is high. Also, in their opinion, the level of college workers is high and not lower than average. Social partners expressed their desire to continue to cooperate with the college on a contractual basis on training programs.

At the moment, teachers and the college administration are considering the survey results to further improve the quality of graduate training.

A survey of teachers conducted during the visit of the EEC IAAR showed that participation in the process of making managerial and strategic decisions is average ($\approx 55\%$). The level of stimulation and involvement of young specialists in the educational process is ($\approx 73\%$) more than half of the respondents. The level of promotion of innovation and wages is satisfied more than half.

Having conducted meetings, conversations and interviews with the director, deputy directors, heads of departments and departments, employees of structural divisions, students, the teaching staff, representatives of employers' organizations and graduates, as well as questioning students and teachers, they became more familiar with the educational infrastructure of the college, material and technical and information-methodological resources.

Analyzing the work according to the standard "Management of the educational program", it can be noted that the success of the educational program is determined, first of all,

on the basis of a systematic, focused and effective implementation of the goals and development plan of the educational program, which, accordingly, should be as transparent as possible, accessible to all interested parties.

EEC notes that in the activities of the educational institution there is such a factor as:

- the focus of the plan for the development of educational programs to meet the needs of the state, stakeholders and students;

- the availability of the adequacy of the development plan for the available resources, labor market needs and the educational policy of the Republic of Kazakhstan.

The EEC also notes that the school has:

- Inadequate availability and effective functioning of the information and feedback system oriented towards students, employees and interested parties.

- insufficient successful functioning of the quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on facts

- insufficient evidence of the transparency of the educational program management system.

EEC recommendations

In order to further develop and improve the college's activities in implementing accredited educational programs, EEC IAAR **recommends:**

- to improve the work on ensuring the involvement of representatives of groups of stakeholders, including students, the teaching staff and employers in the formation, changes in the development plan of EP;

- to improve the work of the authorized collegial bodies of the T&PE organization in conducting public discussions with representatives of all interested parties, based on proposals and amendments in the development plan of EPs that make changes to the project;

- to form the composition of the certification examination commission from among qualified specialists of enterprises and representatives of collegial bodies in the ratio of 65% of representatives of employers and 35% of representatives of technical and vocational education organizations;

The EEC notes that the college's specialized profile for this standard contains 17 strengths, 3 satisfactory and 2 suggesting improvement.

6.2. Standard "Specificity of the educational program"

- *T&PE organization must demonstrate the existence of developed models of the graduate of the educational program, including knowledge, skills, basic and professional competencies, personal qualities*

- *T&PE organization must provide evidence of the participation of the teaching staff and employers in the development of EP, ensuring their quality*
- *T&PE organization should determine the content, volume, logic of the relationship between academic disciplines, as well as the impact of disciplines, vocational training and professional practice on the formation of basic and professional competencies of graduates*
- *EP management must demonstrate the presence of a professional context in the content of academic disciplines*
- *EP management must demonstrate an effective balance between theoretical and practice-oriented disciplines*
- *The list and content of disciplines should be accessible to students. Disciplines should comprehensively cover all issues, problems in the field of teaching*
- *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*
- *An important factor is the updating of educational programs taking into account the interests of employers*

Evaluation Criteria: Individualization of EP

- *EP management should ensure equal opportunities for students, including regardless of the language of instruction*
- *EP management must ensure the availability and effective functioning of the individual assistance and counseling system for students on the educational process*
- *Management creates the conditions for the effective development of EP*
- *EP management should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of EP*
- *EP management should demonstrate individual support for students in implementing EP*
- *EP management must prove the existence of a monitoring system for students' achievements*

Evaluation Criteria: Students results' assessment

- *EP management should ensure the availability and effective functioning of the mechanism of objective, accurate and comprehensive assessment of learning outcomes*
- *EP management should ensure objectivity in assessing learning outcomes and the degree of formation of basic and professional competencies of students, transparency and adequacy of tools and mechanisms for their assessment*
- *EP management should ensure that the procedures for assessing the level of knowledge, skills of students with planned learning outcomes and program objectives*
- *EP management should diagnose the knowledge, skills and abilities of students at the beginning of training on the course and the study of academic disciplines*
- *The processes and criteria for evaluating learning outcomes should be transparent.*
- *EP management should ensure that students develop skills to continue their education at the following educational levels*

Evaluation Criteria: Training Methodology

- *EP management should ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods*
- *When implementing the educational program, the student's independent work should be monitored*
- *EP management should ensure the possibility of undergoing industrial training and professional practice in the specialty / qualification of students and monitor the satisfaction of students, business leaders - places of practice and employers*
- *EP management should ensure the implementation of the results of practical achievements of teachers in the educational process*

Evidence part

The working group analyzed working curricula and programs to improve their content in connection with changes in practical training, taking into account laboratory and practical classes, amounted to 60% of the total amount of study time.

On the basis of the order of the Department of Education No. 467 dated September 5, 2017, the college has experimental sites for the introduction of modular educational programs based on the competency-based approach in the specialty 1302000 "Automation and Management". The problems of developing modular work programs, perspective-thematic planning were discussed at the teacher's council, method. advice.

The most significant stages from the position of the formation of professional competencies are the analysis of requirements and marketing research (determination of professional competencies in accordance with the SCES of Kazakhstan and the requirements of employers, the presence of a graduate model). The model of the graduate of the educational program includes knowledge, skills, competencies, personal qualities (Appendix 2.1. P. 107). The qualifications obtained upon completion of the educational program are defined and fixed in the graduate model. The graduate model itself is formed and brought to the applicants upon admission to the educational institution. In addition, there is a constant revision in accordance with changes in the labor market.

As part of individual work with students and for the qualitative assimilation of educational material, teachers organize additional consultations.

When completing assignments, students, in accordance with the assessment criteria and their individual capabilities, can determine the required amount of assignments to obtain a positive result. When training specialists, teachers pay special attention to an individual approach to training, since currently around the world the system of technical and vocational education is characterized by a wide variety of approaches in training personnel for production.

During the implementation of the accredited EP, mid-level managers and leading specialists from industries in the field of training are involved in reviewing diploma projects, but, unfortunately, a weak level of the calculation part is noted.

- A survey of students conducted during the visit of the EEC IAAR showed that
- the level of accessibility and responsiveness of management is assessed as high - 90.4%;
 - accessibility for counseling on personal problems is estimated at 96.2%;
 - level of satisfaction with the educational resources of the college - 90.4%.

Analyzing the work according to the standard “Specificity of the educational program”, it can be noted that the professional training of qualified specialists largely depends on high-quality educational programs that correspond to the qualification framework of educational levels and the requirements of the labor market. Based on the description of training modules, modular programs have been developed, the peculiarity of which is the relationship with the tasks and labor functions of the employee. Given that more than half of the assimilation of theoretical material is carried out in the course of practical training, special importance must be given to the production practice of students.

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

- the development of models of the graduate of the educational program, including knowledge, skills, basic and professional competencies, personal qualities
- participation of the teaching staff and employers in the development of educational programs, ensuring their quality
- the presence of an effective balance between theoretical and practice-oriented disciplines
- ensuring the availability and effective functioning of the individual assistance system and advising students on the educational process
- ensuring the formation of students' skills for continuing education at the following educational levels
- ensuring the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods

EEC recommendations

In order to further develop and improve the college's activities in implementing accredited educational programs, EEC IAAR recommends:

- monitor the student’s independent work during the implementation of the educational program;
- improve the updatability of educational programs taking into account the interests of employers

– in order to update the content of EP 1302000, revise the work of the “Group of Experienced Designers” circle — deepen knowledge and introduce the scientific component in the circle activity;

– to increase the share of practical teachers for conducting theoretical training in the framework of EP, as well as to involve employers and stakeholders in the development of educational programs in order to improve their quality;

– to update the topics of the course and graduation projects taking into account innovative technologies of work in enterprises and the requirements of employers,

– determine the content, volume, logic of the relationship of academic disciplines, as well as the impact of disciplines, vocational training and professional practice on the formation of basic and professional competencies of graduates

EEC notes that the college’s specialized profile for this standard contains 11 strengths, 11 satisfactory, and 2 suggesting improvement.

6.3. Standard “Teaching staff and the effectiveness of teaching”

- To implement educational programs, the OP manual should involve practitioners and identify the preferred disciplines*
- Guidelines for motivating the teaching staff to constantly apply innovation in the educational process*
- EP Leadership must demonstrate the relevance of human resources to the teaching staff of educational programs*
- Organization of T&PE should demonstrate the availability of public information to the teaching staff*
- EP Management should ensure the monitoring of the activities of the teaching staff, a systematic assessment of the competencies of teachers, a comprehensive assessment of the quality of teaching*
- Teachers' workload should include various types of activities. EP manual must demonstrate evidence of pedagogical performance in all kinds of scheduled workloads.*
- EP Leadership must provide targeted action for the development of young educators*
- EP Management should demonstrate the mechanisms for stimulating the professional or personal development of educators and employees*
- EP Leadership must ensure the monitoring of the satisfaction of the teaching staff*
- Guidelines Office to demonstrate the IT competency of the teaching staff, the application of innovative methods and training*
- An important factor is the participation of the teaching team in the life of the community.*

Evidence part

Personnel policy is carried out in accordance with the main priorities of the College Development Strategy, consistent with modern trends in the field of work with human resources.

The selection of personnel on the basis of the recruiting system is implemented in the following order: the staffing of the ETS is formed, the number of vacant places for training

students in EP is determined, information on the availability of vacant places is announced through the media, the employment center, on the college website, and resumes are considered. 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 college is responsible for its employees, provides them with favorable working conditions.

Teaching in the specialty 1302000 “Automation and Control” specialty courses is taught by 25 teachers, of whom 8 are in the highest category and 7 in the first category. Teachers of special disciplines having the first and highest category make up 60%, which corresponds to qualification requirements.

The high speed of Internet connection and the use of new technologies ensured regular participation of college staff and students in online seminars and video conferences.

Part of the teaching and methodological complexes without ISBN, approved by the scientific and methodological council of the college, are planned to be published with the assignment of ISBN in the scientific and methodological educational publishing center. Also, in order to replenish the fund of educational and methodical literature, teachers downloaded textbooks and manuals published on the Kasipkor website and published them at the BekNar college printing house.

The number of teaching materials developed by teachers and teaching materials with assignment of ISBN numbers from 2015 to 2019 increased from 18 to 40 units.

Teachers’ achievements of the department of special disciplines «Business»

№	Name of a teacher	Title	Number of Certificate
Regional scientific and practical conference: "Competence pedagogy is a priority mechanism of modernization of education»			
1	Sarina K.A.	Modernization of education on the social basis of Kazakhstan	certificate
2	Mussina G.G.	Cooperation between the enterprise and the college as a tool for training competitive specialists in the labor market	certificate
3	Yermaganbet F.S.	Industrialization is the only way to develop the economy of Kazakhstan	certificate
4	Absatova A.Zh.	Aspects of industrial and innovation policy	certificate
5	Yermaganbet F.S.	"Technology of projecting the professional standard in educational program"»	certificate
6	Zhandildinova S.	Family education and marriage rights	certificate
7	Omarova A.A.	Self-government is one of the ways students fulfill themselves	certificate
8	Stamkulov E.T.	Features of the direction of professional orientation in a market economy	certificate
9	Kenesbekova N.K.	"Technology of projecting the professional standard in educational program"	certificate

International scientific and practical conference " Updating content of education: new opportunities and prospects of development"			
10	Sarina K.A.	Independence is the key to the future	Certificate was included into the collection
11	Mussina G.G.	Main aspects of training competitive specialists in the labor market	Certificate was included into the collection
12	Omarova N.T.	The effectiveness of the updated education	Certificate was included into the collection
II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"			
13	Mussina G.G.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
14	Sarina K.A.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	3 rd degree diploma
16	Kenesbekova N.K.	The lesson on the theme: "Processing of sleeves and connection with a product»	certificate
17	Kenesbekova N.K.	The city competition: Independence is our main value	letter of appreciation
18	Tungushbayeva M.Zh.	As part of the development program " creation of quality management system»	letter of appreciation
19	Tungushbayeva M.Zh.	«Modern world problems» II scientific practical conference	letter of appreciation
20	Mussina G.G.	III regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
21	Mussina G.G.	Strategy "Kazakhstan-2050" – The opinion of the youth about our country»	letter of appreciation
22	Akhanova A.G.	Participation for active in public works and success in job	diploma of honor
23	Omarova N.T.	With the II degree diploma the best lesson using ICT is awarded	2 nd degree diploma
24	Tungushbayeva M.Zh.	Participation for active in the social and political life of the city, personal work and creative contribution to the creation of a new Kazakh society. akim of Zhezkazgan Akhmetov B. D.	letter of appreciation
25	Sarina K.A.	"A competent teacher» The modern teacher as a master teacher	diploma
26	Sarina K.A.	The work of college "Language is the support of the people"	diploma
27	Sarina K.A.	The Zhezkazgan city of maslikhat for her great contribution to social and economic development, participation active in a public works and success in job	diploma of honor

28	Sarina K.A.	VI College Cup "Kasym", dedicated to 100 anniversary of M. Imaginova and B. Bulkysheva " The mountain sons"	letter of appreciation
29	Mussina G.G.	«The Best organizer» «The modern teacher as a master teacher	diploma
30	Mussina G.G.	Participation for active in the social and political life of the city	diploma of honor
31	Omarova N.T.	"Changes in my practice»	2 nd degree diploma
32	Stankulov E.T.	For selfless work, contributed to the prosperity of the sovereign Republic of Kazakhstan	Diploma from Nur Otan
33	Kenesbekova N.K.	The city competition: Independence is our main value	letter of appreciation
34	Tungushbayeva M.Zh.	As part of the development program " creation of quality management system»	letter of appreciation
35	Tungushbayeva M.Zh.	II regional scientific and practical conference "modern world problems»	letter of appreciation
36	Mussina G.G.	II regional scientific-practical conference "Pedagogy of competences – an important mechanism of modernization of education"	1 st degree diploma
37	Akhanova A.G.	Participation for active in public works and success in job	diploma of honor
38	Omarova N.T.	With the II degree diploma the best lesson using ICT is awarded	2 nd degree diploma
39	Sarina K.A.	Presentation "Direct current laws" Educational portal "Знанию"	certificate
40	Sarina K.A.	Presentation "Суйкты немесе газдалган" Educational portal "Знанию"	certificate
41	Sarina K.A.	Presentation "Electro statistics" International catalog of "Presentations" for teachers and students	certificate
42	Sarina K.A.	Presentation "Laws of Newton" Educational portal "Знанию"	certificate
43	Sarina K.A.	Presentation on physics "Deformation" Site Info lesson	certificate
44	Tungushbayeva M.Zh.	Basic elements of Combinatorics, Site "Bilim al"	certificate
45	Tungushbayeva M.Zh.	Program MS office, Site "Bilim al"	certificate
46	Sarina K.A.	Competition for teachers "Smart" (Umnata)	1 st degree diploma
47	Absatova A.Zh.	Competition of republican scientific projects	letter of appreciation
48	Tungushbayeva M.Zh.	Internet competition "Best premiere" (Uzdik tusaukeser)	2 nd degree diploma
49	Tungushbayeva M.Zh.	Olympiad world – Olympiad "ICT teacher competency"	2 nd degree diploma
50	Tungushbayeva M.Zh.	Olympiad world - Competition "Use of ICT in math classes"	Nominee "Talent of pedagogy 2017"
51	Tungushbayeva M.Zh.	Competition of republican scientific projects	letter of appreciation
52	Tungushbayeva M.Zh.	Olympiad world – ICT competence	certificate
53	Absatova A.Zh.	Republican Competition "The best lesson presentation"	2 nd degree diploma

54	Tungushbayeva M.Zh.	International creative contest "My master class"	1 st degree diploma
55	Tungushbayeva M.Zh.	International creative contest "Methodical working-out of teachers"	1 st degree diploma

In PE “Zhezkazgan College of Business and Transport”, the effectiveness and efficiency of the application of innovations and the use of active teaching methods is monitored by conducting and determining the rating of teachers according to the results of the 1st and 2nd semesters through the heads of departments, and then through the teaching room. The individual activity plan of teachers is considered at a meeting of the departments and approved by the methodological council. An individual assessment of the quality of educational activities of teachers is considered by the Quality Councils based on the results of a rating assessment of college activities (with a frequency of 2 times a year).

College teachers take part in professional skills contests, creative reports of certified teachers, conducting subject decades, seminars, conferences, and pedagogical readings.

The college has created the conditions for advanced training and professional development of teachers.

Professional development coverage over the past 5 years is - 100%. An annual plan is drawn up for the advanced training of teachers for the academic year.

College teachers improve their skills at least once every five years.

In order to expand the scope of professional cooperation, development of scientific, educational and cultural contacts, advanced training of teachers of special disciplines, the college also actively cooperates with foreign educational institutions. So, for example, in 2015, teachers of the department underwent an internship conducted by the Training and Methodical Center CJSC at St. Petersburg State Telecommunications University named after prof. Bochn-Bruevich.

The training seminars were held: “Erickson coaching technologies in education: Theory and practice”, the seminar “The technology for designing the structure of a professional standard for training programs”, the seminar “Distance Learning on the LMS Moodle Platform”, on distance learning technology. The need for accredited EP in the vocational qualification level of the teaching staff is determined by the direction of training of students, licensing requirements. For the implementation of accredited, having professional education of the corresponding profile, the level of qualification, which corresponds to the specifics of accredited EP Teachers in the specialty EP specialty 1302000 "Automation and Control" have an education that corresponds to the taught disciplines.

A survey of faculty staff conducted during the visit of the EEC IAAR showed that:

- the college has the opportunity to provide the teaching staff in the use of innovation in the learning process - “very good” - 45.5%; “Good” - 54.5%;

- teachers are satisfied with the content of the educational program - “very good” - 45.5%; “Good” –54.5%;

- the level of feedback of teachers with management satisfies “very good” - 59.1%; “Good” - 40.9%;
- combine teaching with scientific research “very well” - 63.6%; “Good” - 36.4%;

Analytical part

Analyzing the work on the standard “Teaching staff and the effectiveness of teaching”, it can be noted that a high representation of pedagogical skill is determined by a constant level of professional development and attendance at various schools and creative classes. Despite the high qualification of teachers, it is necessary to strengthen the work on learning a foreign language in order to bring it into line with the specifics of educational programs.

I would like to note the competence and high qualification of individual teachers in the specialty 1302000 "Automation and Control", who were able to demonstrate the effective application of methods for studying equipment, which in combination gives very good results in the development of the material. It is worth noting the importance of conducting systematic seminars by experienced teachers for the young staff.

Having studied the general condition of the staff of the college, we can conclude that the teaching staff of the college as a whole consists of highly qualified teachers and specialists with sufficient experience in teaching.

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

- motivation of the teaching staff to constantly apply innovation in the educational process
- monitoring the activities of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching
- proof of the fulfillment by teachers of all types of planned load
- targeted actions for the development of young teachers
- demonstration of incentive mechanisms for professional and personal development of teachers and employees
- monitoring the satisfaction of the teaching staff
- IT competencies of the teaching staff, the use of innovative teaching methods and forms
- the participation of the teaching staff in society

At the same time, the EEC draws attention to the fact that for effective work, teachers in an educational institution should pay attention to:

- ensure the compliance of the personnel potential of the teaching staff with the specifics of educational programs
- increase the availability of information about the teaching staff to the public

EEC recommendations

- attract practitioners and determine the proportion of special disciplines they read to improve the quality of educational programs,
- improve the mechanism of public availability of information about the teaching staff,
- increase the reserve of teachers of special disciplines.

The conclusions of the EEC on the criteria:

EEC notes that the college's specialized profile according to this standard contains 8 strong positions, 2 satisfactory and 1 suggesting improvement in positions.

6.4. Standard "Learners"

- *EP management must demonstrate the policy of forming a contingent of students of EP and the transparency of its procedures*
- *The leadership of the EP should demonstrate an understanding of the main roles of (professional, social) students based on learning outcomes*
- *An important factor is the possibility of professional certification of students in the field of specialization in the learning process.*
- *An important factor is the availability of support programs for gifted students.*
- *EP management should make every effort to provide graduates with employment and liaise with graduates*
- *EP management should demonstrate awareness of the main roles of (professional, social) students based on learning outcomes*
- *Monitoring of employment and professional activities of graduates is an important factor*
- *Guidelines for activity should stimulate learners of self-education in a non-core program (as part of extracurricular activities)*
- *Guidelines Offer students to exchange expressions*
- *The management of EP should create a mechanism for monitoring student satisfaction with the activities of the T&PE organization in general and individual services in particular*
- *Management EP should demonstrate the functioning of a feedback system, including the prompt presentation of information as a result of the assessment of learning outcomes*

Evidence part

When forming the contingent of students in the specialty 1302000 "Automation and Control" 1302023- electrician, 1302012- instrumentation and automation fitter, 1211000 "Sewing production and modeling of clothes" 1211093- technician-technologist, 1211032-

seamstress, 0201000 “Jurisprudence” 0201023 - legal adviser, 0201013- lawyer, 0511000 "Tourism" 0511043 - "Manager" of the college takes into account the state of the regional labor market, staffing needs of organizations and enterprises. The procedure for admission to college is carried out on the basis of the following regulatory legal acts of the Republic of Kazakhstan:

The Law of the Republic of Kazakhstan dated July 27, 2007 “On Education”, Decree of the Government of the Republic of Kazakhstan dated January 19, 2012 No. 130 “On the Approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs for Technical and Professional Education” with amendments and additions dated May 12, 2016, Order of the Minister of Education and Science of the Republic of Kazakhstan dated January 20, 2015 No. 19 “On approval of the Rules for the transfer and restoration of students by type of educational organization” with amendments and additions from 10.31.2018., as well as the Admission Rules at the Zhezkazgan College of Business and Transport, approved annually by the director of the college. The college determines the size of the new student enrollment in accordance with the material and technical and personnel capabilities. A bilateral agreement is concluded with students, defining the rights, obligations, mutual responsibility of the parties, the cost of educational services.

Enrollment in college students is based on the results of the competition on the basis of points obtained at the entrance exams in the form of comprehensive testing, interviews (correspondence department) or on the basis of points of UNT certificates. The results of the competition are announced by the selection committee. When concluding an agreement on the provision of educational services, students receive full information about the payment for tuition.

The contingent of students in the specialty: full-time and part-time forms of education is formed through a marketing policy, and graduates of urban and rural schools from all over the republic are attracted.

Table: Contingent in the context of Specialty for 2016-2019 years

Number of students in the specialty 1302000 – Automation and Control (by profile)	Acad. year 2016-2017	Acad. year 2017-2018	Acad. year 2018-2019
Totally	22	21	32
By state order	10	20	31
Paid	12	1	1
In state language	22	21	32

For more successful adaptation of students to the educational environment and involvement in the student body of the college, the Youth Center operates, which makes a significant contribution, attracts students to public work, develops interest in sports sections, circles, conducts trainings, educational games, conferences, debates.

Students are introduced to the professional environment in the learning process, as well as for acquiring practical skills based on theoretical training, in stages.

Most of the special disciplines are held in specialized study rooms, and various excursions to enterprises in the region are also held. For example, when studying the discipline "Automation of technical processes of the industry", passing training practice on the basis of the college, study tours to enterprises are organized for students (JSC "NC KTZh" St. Zhezkazgan, LLP "TrancoZhezkazgan"). Traditionally, career counseling events are held at college: subject Olympiads, professional skills contests, round tables, workshops, meetings with school students and their parents to choose a future profession and place of study.

The participation of gifted students in various competitions, contests, scientific conferences, competitions (Intracollegial, regional, republican, international) contributes to the development of intellectual and physical abilities. Particular attention is paid to working with gifted students who are actively involved in research and intellectual and creative activities. The main achievements of students for the reporting period include:

- Asambayeva Gulmira gr. AC-301- Certificate for participation in the regional scientific-practical conference on the topic: "Цифрландырылған Қазақстан- жаңа дәуірдің кемел келбеті";
- Sartbayev Yerkinbek gr. AC-301- Certificate for participation in the regional scientific-practical conference on the topic: "Modern robotics - a step to a high level of intelligence";
- Kamaria Camila gr. AC-301- Certificate for participation in the regional scientific-practical conference on the theme: "Рухани жаңғыру- табысты ел болуымыздың кепілі";
- Asambayeva Gulmira gr. AC-301- I degree diploma in the Republican creative competition.

Extracurricular work of students in college is carried out in the following areas:

- Debate club
- CChR school
- Military patriotic club

Sports sections: athletics, table tennis, basketball, futsal, chess (checkers), gym.

The specialization of the selected practice bases corresponds to the profile of the specialty, but the practices themselves are of an exploratory nature, which ultimately affects the competence of college graduates. For the practical training of students in college, the corresponding base is insufficiently equipped. Base organizations are selected in accordance with the goals and objectives of the relevant practice, have sufficient material and technical equipment in accordance with regulatory requirements, safety rules and sanitary standards. Between the college and the enterprises of Utariya LTD LLP, NC KTZh JSC Zhezkazgan station, agreements were signed on organizing internships at enterprises for teachers and masters of vocational training.

The planning of places of practice and the conclusion of contracts takes place on the basis of specialties, the specifics of the enterprise and the type of practice (for example, to obtain a working profession, technological practice or production practice). For this, an agreement is concluded with the enterprise, which is coordinated with the schedule of the enterprise. The agreement discusses the number of students attached to a particular enterprise with the surname and name of the students.

Supervision of the passage of professional practice, monitoring the quality of its organization is carried out directly by the head of practice and the deputy director of industrial practice. The head of practice visits students at the enterprise assigned to him, keeps track of attendance at the practice, and collaborates with those responsible for the practice of the enterprise.

The mechanism for planning and conducting professional practice is based on the schedule of the educational process, drawn up in accordance with the working curriculum, which reflects all types of practices and the timing of their implementation.

The order on educational, technological and industrial practice is drawn up by the deputy head of industrial practice signed by the head of the college.

The college administration and the teaching staff actively promote the employment of graduates, monitor their professional activities and career growth and promotion in the labor market.

The most important criterion for the effectiveness of educational programs is the employment of graduates. In the course of professional practices, with the heads of institutions that are the basis of practice, the possibilities of further employment of students who have proven themselves in the course of practice are discussed.

Employment data for graduates of accredited specialties (full-time department)

Name of specialty	2015-2016			2016-2017			2017-2018		
	Quantity of graduates	Employed	%	Quantity of graduates	Employed	%	Quantity of graduates	Employed	%
1302000 «Automation and control»	65	42	65	89	61	69	86	62	72

From the total number of graduates for 2015-2018 in the specialty 1302000 "Automation and Control" of the full-time department, an average of 69% are employed,

An important factor is the monitoring of the employment and professional activities of graduates of PE "Zhezkazgan College of Business and Transport". A survey of students carried out during the visit of the EEC IAAR showed that:

- 94.2% are satisfied with the availability of computer classes and Internet resources;
- 94.2% are satisfied with the fairness of exams and certification;
- 92.3% are fully satisfied with the speed of response to feedback from teachers regarding the educational process;
- 96.2% are satisfied with the availability of counseling on personal problems;
- 90.4% Usefulness of the website of educational organizations in general

Analytical part

According to the standard "Students", it can be noted that the result of high-quality professional education and training of a qualified specialist is employment. According to the results of the analysis, it can be said that the percentage of employment at Zhezkazgan College of Business and Transport is at a good level. In general, work with students is conducted at a good educational, methodological and practical level. EEC notes that positive factors can be traced in the activities of the educational institution. At the same time, members of the EEC note that the college lacks a system to support communication with graduates.

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

- the policy of forming the contingent of students of EP and the transparency of its procedures,
- opportunity for exchange and expression,
- the availability of support programs for gifted students,
- creation of a mechanism for monitoring student satisfaction with the activities of the T&PE organization in general and individual services in particular.

At the same time, the EEC draws attention to the fact that in order to work effectively in an educational institution, attention should be paid to:

- make maximum efforts to maintain communication with graduates;
- to continue the functioning of the feedback system, including the prompt submission of information on the results of the evaluation of learning outcomes.

EEC recommendations

In order to further develop and improve the college's activities in implementing accredited educational programs, **EEC IAAR recommends:**

- keep in touch with graduates;
- improve students' English language proficiency;
- encourage students to participate in the WorldSkills Championship in the appropriate competence;
- develop feedback on evaluation results.

EEC notes that the specialized college profile for this standard contains 6 strong positions, 4 –satisfactory.

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

- *EP management should ensure that students receive the maximum possible amount of structured, organized information on the subjects taught: for example, presentation materials, lecture notes, compulsory and additional literature, practical exercises, etc.*

- *Training equipment and software used to master educational programs should be similar to those used in the respective industries and meet the safety requirements for exploitation*

- *T&PE organization creates a learning environment that promotes the formation of basic and professional competencies and takes into account the individual needs and capabilities of students*

- *T&PE organization must create conditions for the development of applied skills of students and the teaching staff in the studied disciplines and the possibility of implementing these skills in competitions and competitions or in any other way in practice*

- *T&PE organization should assess the dynamics of the development of material and technical resources and information support of EP*

- ***In the T&PE organization, an EP training environment should be created, which includes:***

- *technological support for students and teaching staff in accordance with the specifics of the educational program*

- *academic accessibility - students have access to personalized educational resources*

- *academic counseling - there are personalized educational resources that help students*

- *vocational guidance - students have access to personalized educational resources that assist in choosing and achieving career paths*

- *the required number of classrooms equipped with modern technical training facilities that meet sanitary and epidemiological standards and requirements*

- *the required number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them*

- *book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of the languages of instruction*

- *free access to educational Internet resources*

- *EP management should determine the degree of implementation of information technologies in the educational process of the EP, monitor the use and development of innovative teaching technologies by the teaching staff, including on the basis of ICT*

- *EP management must demonstrate the reflection on the web resource of information characterizing EP*

Evidence part

When examining the Private establishment "Zhezkazgan College of Business and Transport" it was established that the educational institution does not fully have the necessary resources for implementing an accredited educational program.

The college administration is taking measures to strengthen and improve the material and technical base. The college has created the conditions for the physical development of students, conducting cultural and sports activities. Today the college has 2 educational buildings and for nonresident students a dormitory with 100 places is functioning. The total area of the college is 1767.3 m², where classrooms are located, a lecture interactive room for 60 seats and additional seats with interactive equipment connected to the Internet for lectures, conferences, seminars, various events, with the possibility of demonstrating video materials, a library, 4 training laboratories, 1 workshop, 1 training ground for practical training, 3 classrooms with interactive whiteboards, 5 computer rooms of a new modification in special subjects with a quantity of 139 units, medical cabinet, a student café "Korkem" and a dining room for 170 seats, a student dormitory for 100 seats, equipped with the necessary equipment and furniture. Youth Center, EGOV Student Service Center, EGOV Self-Service Corner, and BEK & NAR Scientific and Methodological Educational Publishing Center. In order to ensure the safety of life of students and staff, a security service operates; the internal and external territories of the college are connected to video surveillance. The park of computer equipment is 139 units and 10 laptops. Planned strategic indicators of computer security in the framework of the development of the college are mainly fulfilled. The reading room of the library is located in the second building of the college. The reading room is equipped with six personal computers connected by a local network connected to the Internet, Wi-Fi. The gym does not comply with sanitary and epidemiological standards and requirements. The educational and laboratory fund does not have stands or laboratories corresponding to the educational content of training in the specialty 1302000 "Automation and Control".

The number of classrooms equipped with technical teaching aids and equipped with modern equipment correspond to the educational programs being implemented, sanitary and epidemiological standards and requirements.

The total book fund of the library is 42,214 copies. Book storages are equipped with racks for placing the book fund and other information materials.

Information about the book fund in the specialty 1302000 "Automation and Control" is given in table 8

Table 8 Analysis of the structure of the main book fund of the library:

Specialty \ Fund	Basic literature, exemplars	Additional literature, exem.	General book fund, exemplars
A&C	4885	4001	8886

The literature on accredited specialties is not published in sufficient quantities by republican publishers, especially in the state language, therefore, teachers use Russian textbooks, Russian journals in the specialty, and translated literature. Widely use electronic resources of Internet sites.

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

- accessibility of library resources - 96.2%;
- support of educational materials in the learning process - 84.6%;
- the availability and accessibility of computer classes and Internet resources - 94.2%.

In their free time from studies, students have access to computer rooms. There is access to the Internet. There is no local network of the college, which would integrate not only computer classes, but also all structural units.

An important resource of information support in a modern educational organization is a website. The content of the resource requires constant updating and completeness of information characterizing EP.

According to the standard "Resources used in the implementation of educational programs" it can be noted that the material base of the college satisfies the equipment of information and communication technologies. In this regard, I want to increase the use of appropriate applications, virtual laboratories and simulators.

The presence of Internet resources, electronic textbooks and test tasks, animation tasks increases the effectiveness of the taught disciplines.

According to this standard, the absence of a language laboratory can be noted.

EEC notes that in the educational institution according to this standard special attention is paid to such a position as:

- access for students to the maximum possible amount of structured, organized information on the subjects taught: for example, presentation materials, lecture notes, compulsory and additional literature, practical exercises, etc.,

- free access to educational Internet resources,
- the degree of implementation of information technology in the educational process of

EP.

At the same time, the EEC draws attention to the fact that in order to work effectively in an educational institution, attention should be paid to:

- a learning environment that promotes the formation of basic and professional competencies and takes into account the individual needs and capabilities of students,
- an assessment of the dynamics of the development of material and technical resources and information support of EP,
- technological support for students and teaching staff in accordance with the specifics of the educational program,
- Academic advice - there are personalized educational resources that help students,
- access to personalized educational resources that assist in the selection and achievement of career paths,
- the required number of classrooms equipped with modern technical training tools that meet sanitary and epidemiological standards and requirements,
- the required number of reading and sports halls, multimedia and language laboratories, the number of seats in them,
- book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of the languages of instruction

EEC recommendations

In order to further develop and improve the college's activities in implementing accredited educational programs, EEC IAAR recommends:

- use training equipment and software tools used to master educational programs similar to those used in the respective industries and meet the safety requirements for operation,
- in order to develop the EP, as far as possible purchase a language laboratory,
- create conditions for the development of applied skills of students in the studied disciplines and the possibility of implementing these skills in competitions, championships and competitions or in any other way in practice,
- create for students' access to personalized educational resources.

The conclusions of the EEC on the criteria:

EEC notes that the specialized college profile for this standard contains 4 strong positions, 8 satisfactory and 3 suggesting improvement in positions.

6.6. Standard "Standards in the context of individual specialties"

Evaluation criteria depending on the direction of the OP

NATURAL SCIENCES, AGRICULTURAL SCIENCES, TECHNICAL SCIENCES,
AND TECHNOLOGIES / ART

The content of training specialists at different levels is associated with the following indicators, such as the duration (term) of training, the ratio of theoretical and practical training, the ratio of the volume and content of professional and special training. In this regard, one of the main tasks facing modern education is the education and training of a diverse personality of the student along with his professional development.

The content of all disciplines of the educational program is based and has a clear relationship with the content of the fundamental general educational and natural sciences. The fundamental natural - scientific preparation of students is called upon to contribute to the formation of one of the key groups of competencies - research and self-education.

The current stage of using information technology is characterized by a transition from solving production and management problems to solving social problems.

The use of information and computer technology, subject to a number of certain conditions, helps to improve the quality of the educational process and the formation of readiness for professional activity, the formation of information modeling skills, and the need for continuing education.

For practical skills training, agreements were concluded with practice bases in the specialty 1302000 "Automation and Control" of JSC "NC KTZ".

Analyzing the work according to the standard "Standards in the context of individual specialties", it can be noted that in order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program has a number of activities in the form of technical circle works, aimed at gaining practical experience and skills in the specialty. But it should also include training equipment and software used to master educational programs, similar to those used in the respective industries, which meets the safety requirements for operation.

At the same time, the EEC draws attention to the fact that in order to work effectively in an educational institution, attention should be paid to:

– the inclusion of disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and majors in particular.

EEC recommendations

In order to further develop and improve the college's activities in implementing accredited educational programs, EEC IAAR recommends:

- conduct individual classes or entire disciplines at the enterprise of specialization.
- the use of workshops for conducting practical classes, solving practical problems relevant for enterprises in the field of specialization, etc.,

- the teaching staff involved in the EP should include practitioners with experience in enterprises in the field of specialization of the EP.

The conclusions of the EEC on the criteria:

EEC notes that the specialized college profile for this standard contains - 1 strong position, 1 – satisfactory and 3 — suggesting improvement in positions.

(VII) OVERVIEW OF STRENGTHS / BEST PRACTICE BY EACH

STANDARD

7.1. In the standard "Management of the educational program":

- the adequacy of the EP development plan for available resources, labor market needs and the educational policy of the Republic of Kazakhstan,
- transparency of the processes of forming the development plan of the OP,
- mechanisms for the formation and regular review of the development plan of the EP and monitoring its implementation,
- the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, delimitation and independence of the financing system,
- monitoring, including the creation of reporting processes to determine the dynamics in the activities and implementation of plans,
- documentation of all the main business processes governing the implementation of EP,
- a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the staff, the delimitation of the functions of collegial bodies involved in the implementation of the EP.

7.2. Standard "Specificity of the educational program"

- the presence of developed models of the graduate of the educational program, including knowledge, abilities, skills, basic and professional competencies, personal qualities,
- participation of the teaching staff and employers in the development of EP, ensuring their quality,
- the availability and effective functioning of the system of individual assistance and counseling of students on the educational process,

- the use of advantages, individual characteristics, needs and cultural experience of students in the implementation of EP,
- the formation of students' skills to continue learning at the following educational levels,
- the existence of an effective balance between theoretical and practice-oriented disciplines,
- activities whose content contributes to the development of basic and professional competencies of students, taking into account their personal characteristics,
- the presence of an effective balance between theoretical and practice-oriented disciplines
- the availability of individual support for students in the implementation of the EP,
- transparency of the criteria for evaluating learning outcomes,
- development, implementation and effectiveness of active teaching methods and innovative teaching methods.

7.3. Standard “Teaching staff and the effectiveness of teaching”

- active participation of the teaching staff in society;
- demonstration of the fulfillment by teachers of all types of planned load
- motivation of the teaching staff in the application of innovation in the educational process,
- monitoring the activities of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching,
- targeted actions for the development of young teachers,
- incentive mechanisms for professional and personal development of teachers and employees,
- monitoring the satisfaction of the teaching staff,
- IT-competence of the teaching staff, the use of innovative methods and forms of training.

7.4. Standard "Students":

- the policy of forming the contingent of students of EP and the transparency of its procedures,
- opportunity for exchange and expression,
- the possibility of professional certification of students in the field of specialization in the learning process,

- the availability of support programs for gifted students,
- the existence of a mechanism for monitoring student satisfaction with the activities of T&PE organization in general and individual services in particular

7.5. Standard "Resources used in the implementation of educational programs":

- access for students to the maximum possible amount of structured, organized information on the taught disciplines,
- free access to educational Internet resources,
- the degree of implementation of information technology in the educational process of EP,
- reflection on the web resource of information characterizing the EP.

7.6. Standard "Standards in the context of individual specialties":

- excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)

(VII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS

List of EEC recommendations for all standards related to meeting the criteria

8.1. Standard "Management of the educational program":

- to improve the work on ensuring the involvement of representatives of groups of stakeholders, including students, the teaching staff and employers in the formation, changes in the development plan of EP;
- to improve the work of the authorized collegial bodies of the TVE organization in conducting public discussions with representatives of all interested parties, based on proposals and amendments in the development plan of EPs that amend the project;
- to form the composition of the certification examination commission from among qualified specialists of enterprises and representatives of collegial bodies in the ratio of 65% of representatives of employers and 35% of representatives of technical and vocational education organizations;
- improve the mechanism for the formation of human resources for special. disciplines.

8.2. Standard "Specificity of the educational program":

- to increase the share of practical teachers for conducting theoretical training in the framework of EP, as well as to involve employers and stakeholders in the development of educational programs in order to improve their quality;
- to update the topics and content of course and graduation projects taking into account innovative technologies of work at enterprises and the requirements of employers,
- improve the updatability of educational programs taking into account the interests of employers
- monitor the student’s independent work during the implementation of the educational program;
- in order to update the content of EP 1302000 to review the work of the circle and extracurricular to deepen knowledge;

8.3. Standard “Teaching staff and the effectiveness of teaching”

- attract practitioners and determine the proportion of special disciplines they read to improve the quality of educational programs;
- improve the mechanism of public availability of information about the teaching staff.

8.4. Standard "Students":

- keep in touch with graduates;
- improve students' English language proficiency;
- encourage students to self-education outside the main program (within the framework of out-of-school activities).

8.5. Standard "Resources used in the implementation of educational programs":

- in order to develop OP 1302000 “Automation and Control”, purchase educational equipment and software tools used for mastering educational programs, similar to those used in the relevant industries and meeting operational safety requirements,
- in order to develop EP, equip a workshop for conducting practical classes and electrical work, solving practical problems that are relevant for enterprises in the field of specialization;
- create conditions for the development of professional competencies of students in special disciplines and the possibility of implementing these skills in competitions, championships and competitions or in any other way in practice;
- to improve the introduction of multilingualism to equip a language laboratory;
- to assess the dynamics of the development of material and technical resources and information support of EP;

– create for students’ access to personalized educational resources.

8.6. Standard "Standards in the context of individual specialties":

- conduct individual classes or entire disciplines at the enterprise of specialization,
- include practitioners with experience in enterprises.

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS"

CONCLUSION OF THE SELF-EVALUATION COMMISSION

№ o/n	Criteria for evaluation	Позиция организации образования			
		Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard «Educational program management»					
1	T&PE organization demonstrates the development of a development plan of EP, its focus on meeting the needs of the state, stakeholders and students	+			
2	T&PE organization should ensure the adequacy of the development plan of EP to available resources, labor market needs and educational policy of the RK	+			
3	T&PE organization should involve representatives of stakeholder groups, including students, teaching staff and employers, in the formation of the development plan for the EP.			+	
4	T&PE organization demonstrates the transparency of the processes of forming the development plan of the EP. T&PE organization ensures that stakeholders are informed about the content of the development plan for the EP and the processes for its formation.	+			
5	T&PE organization should determine the mechanisms for the formation and regular review of the EP development plan and monitoring its implementation.	+			
6	T&PE organization systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-examination in all areas, develops and revises the development plan of the EP			+	

7	The EP development plan is being publicly discussed with representatives of all interested parties, on the basis of proposals and amendments of which the authorized collegial body of the T&PE organization makes changes to the project.	+			
8	T&PE organization demonstrates the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, delimitation and independence of the financing system.	+			
9	EP department must include:				
9.1	process management	+			
9.2	mechanisms for planning , development and continuous improvement	+			
9.3	monitoring, including the creation of reporting processes to determine the dynamics in the activities and implementation of plans	+			
9.4	change performance analysis	+			
9.5	assessment of the effectiveness and efficiency of units and their interaction”	+			
10	T&PE organization should document all major business processes governing the implementation of EP	+			
11	T&PE organization must demonstrate a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the personnel, and delimitation of the functions of the collegial bodies involved in the implementation of EP	+			
12	T&PE organization must demonstrate the procedure for approving, periodically reviewing (revising) and monitoring educational programs and documents governing this process	+			
13	T&PE organization must ensure the existence and effective functioning of a system of informing and feedback oriented towards students, employees and interested persons		+		
14	EP management must demonstrate the successful functioning of the EP quality assurance system, including its design, management and monitoring, their improvement, and decision-making based on facts		+		
15	EP management must provide evidence of the transparency of the educational program management system		+		
16	T&PE organization should demonstrate the availability and evidence of the intensive use of statistics collection and analysis system in the management processes of the EP	+			

17	EP management should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and students and demonstrate evidence of eliminating deficiencies found in the measurement process	+			
18	EP management must demonstrate evidence of openness and accessibility for students, teaching staff, parents	+			
TOTAL		17	3	2	
Standard «Specificity of Educational program»					

Criteria for evaluation: EP content

19	T&PE organization must demonstrate the availability of developed models of the graduate of the educational program, including knowledge, skills, basic and professional competencies, personal qualities	+			
20	T&PE organization must provide evidence of the participation of the teaching staff and employers in the development of EP, ensuring their quality	+			
21	The T&PE organization must determine the content, volume, logic of the relationship between academic disciplines, as well as the impact of disciplines, vocational training and professional practice on the formation of basic and professional competencies of graduates			+	
22	EP management should demonstrate the presence of a professional context in the content of academic disciplines		+		
23	EP management must 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 comprehensively cover all issues, problems in the field of teaching	+			
25	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	+			
26	An important factor is the updating of educational programs taking into account the interests of employers.				+

Criteria for evaluation: EP individualization

27	EP management should ensure equal opportunities for students, including regardless of the language of instruction		+		
28	EP management should ensure the availability and effective functioning of the system of individual assistance and counseling of students on the educational process	+			
29	Management creates the conditions for the effective development of EP		+		

30	EP management should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of EP	+			
31	EP management should demonstrate individual support for students in implementing EP	+			
32	EP management must prove the existence of a monitoring system for students' achievements		+		

Criteria for evaluation: assessment of students' results

33	EP management should ensure the availability and effective functioning of the mechanism of objective, accurate and comprehensive assessment of learning outcomes		+		
34	EP management should ensure objectivity in assessing learning outcomes and the degree of formation of basic and professional competencies of students, transparency and adequacy of tools and mechanisms for their assessment		+		
35	EP management should ensure that the procedures for assessing the level of knowledge, skills of students with planned learning outcomes and program objectives		+		
36	EP management should diagnose the knowledge, skills and abilities of students at the beginning of training on the course and the study of academic disciplines		+		
37	The processes and criteria for evaluating learning outcomes should be transparent	+			
38	EP management should ensure that students develop skills to continue their education at the following educational levels	+			

Criteria for evaluation: teaching methodic

39	EP management should ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods	+			
40	When implementing the educational program, the student's independent work should be monitored		+		
41	The EP management should provide the opportunity to undergo industrial training and professional practice in the specialty / qualification of students and monitor the satisfaction of students, business leaders - places of practice and employers		+		
42	EP management should ensure the implementation of the results of practical achievements of teachers in the educational process		+		
TOTAL		11	11	2	

Standard «Teaching staff and teaching effectiveness»

43	To implement educational programs, the EP leadership should attract practitioners and determine the proportion of disciplines they read			+	
44	EP management should motivate the teaching staff to constantly apply innovations in the educational process	+			
45	EP management must demonstrate the compliance of the teaching staff with the specifics of educational programs		+		
46	T&PE organization must demonstrate the availability of information about the teaching staff to the public		+		
47	EP management should ensure monitoring of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching	+			
48	The workload of educators should include various activities. EP management must demonstrate evidence of the fulfillment by teachers of all types of planned workload	+			
49	EP management should provide targeted action for the development of young teachers	+			
50	EP management should demonstrate incentive mechanisms for professional and personal development of teachers and employees	+			
51	EP management should provide monitoring of the satisfaction of the teaching staff	+			
52	EP management must demonstrate the IT competence of the teaching staff, the use of innovative teaching methods and forms	+			
53	An important factor is the participation of the teaching staff in society.	+			
TOTAL		8	2	1	
Standard «Students»					
54	EP management should demonstrate the policy of forming a contingent of students of EP and the transparency of its procedures	+			
55	EP management should demonstrate awareness of the main roles of (professional, social) students 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 support programs for gifted students.	+			
58	EP management should make every effort to provide graduates with employment and liaise with graduates		+		
59	An important factor is monitoring the employment and professional activities of graduates		+		
60	EP management should actively encourage students to self-education outside the main program (as part of extracurricular activities)	+			
61	EP management should provide students with the opportunity to exchange and express opinions	+			

62	EP management should create a mechanism for monitoring students' satisfaction with the activities of the T&PE organization in general and individual services in particular	+			
63	EP management should demonstrate the functioning of the feedback system, including the prompt presentation of information on the results of the assessment of learning outcomes		+		
TOTAL		6	4		
Standard «Resources used in the implementation of educational programs»					
64	EP management should ensure that students receive the maximum possible amount of structured, organized information on the subjects taught: for example, presentation materials, lecture notes, compulsory and additional literature, practical exercises, etc.	+			
65	Training equipment and software used to master educational programs should be similar to those used in relevant industries and meet the safety requirements for operation			+	
66	T&PE organization 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	T&PE organization should create conditions for the development of applied skills of students and the teaching staff in the studied disciplines and the possibility of implementing these skills in contests and competitions or in some other way in practice			+	
68	T&PE organization should assess the dynamics of the development of material and technical resources and information support of EP		+		
69	The organization of T&PE should create an environment for teaching EP, which includes:				
69.1	technological support for 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	vocational guidance - 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 tools 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 the languages of instruction		+		
69.8	free access to educational online resources	+			
70	EP management 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 ICT	+			
71	EP management should demonstrate the reflection on the web resource of information characterizing EP	+			
TOTAL		4	8	3	
«Standards in the context of individual specialties»					
Education					
72	Educational programs in the direction of "Education", such as "Preschool education and training", "Organization of educational work (by level)", "Primary education", etc. must meet the following requirements:				
72.1	EP management should demonstrate that the graduates of the program have practice-oriented knowledge in the field of psychology and skills in the field of communication, analysis of personality and behavior, methods of preventing and resolving conflicts, motivating students				
72.2	EP management should demonstrate the literacy of the graduates of the program in the field of information technologies that meet the requirements of the educational sector, the widespread use of information and communication technologies in educational institutions				
72.3	EP management should demonstrate the presence in the program of disciplines teaching the organization of the educational process, innovative teaching methods and training planning, including interactive teaching methods				
72.4	EP management should demonstrate to students the availability of self-learning skills				
72.5	EP management should demonstrate that it has a clear, substantiated analysis and facts of which specialties (qualifications) and skills within certain specialties are in demand on the market, what is the approximate number of specialists required in the market for the specialty taught and give examples of successful employment for the most part graduates in the specialty (qualification) in the first six months after completion of training				
Social sciences, services, economics, business and law					

73	Educational programs in the areas of "Service, Economics and Management" and "Law", such as "Law Enforcement", "Patent Science", "Translation (by type)", "Tourism (by industry)", "Catering", "Social work", "Marketing (by industry)", "Finance (by industry)", etc. must meet the following requirements: EP management must guarantee students access to the most up-to-date and relevant data (statistics, news, scientific results) in the field of specialization in paper (newspapers, statistical data collections, textbooks) and electronic media				
74	EP in the areas of "Social Sciences, Economics and Business" and "Law" must also meet the following requirements:				
74.1	goals and results of EP should be aimed at obtaining students specific skills in demand on the labor market				
74.2	EP management must demonstrate that program graduates possess these skills and that these skills are truly in demand in the market				
74.3	EP should include a significant number of disciplines and activities aimed at students gaining practical experience in applying theoretical knowledge, such as industrial practice, training at enterprises, participation in lectures and master classes by practicing specialists, etc.				
Natural and technical sciences					
75	Educational programs in technical areas, such as "Metallurgy and mechanical engineering", "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	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program should include disciplines and activities aimed at gaining practical experience and skills in the specialty in general and majors in particular, in t .h.		+		
75.1.1	excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)	+			
75.1.2	conducting individual classes or entire disciplines at the enterprise of specialization			+	
75.1.3	the use of workshops for practical training, solving practical problems relevant to enterprises in the field of specialization, etc.			+	
75.2	The teaching staff involved in the EP should include practitioners with experience working in enterprises in the field of specialization of the EP.			+	

Art					
76	Educational programs in the direction of "Art and Culture", such as "Socio-cultural activity and folk art (by profile)", "Instrumental performance and musical art of pop art (by type)," Painting, sculpture and graphics (by type) ", " Theory of music ", etc., must meet the following requirements				
76.1	EP management should demonstrate that the graduates of the program have theoretical knowledge in the field of arts, practical skills and self-expression skills through creativity, such as modeling, drawing, singing, etc.				
76.2	Educational programs in the direction of "Art and Culture", such as "Socio-cultural activity and folk art (by profile)", "Instrumental performance and musical art of pop art (by type)," Painting, sculpture and graphics (by type) ", " Theory of music ", etc., must meet the following requirements				
76.3	EP management should demonstrate that the graduates of the program have theoretical knowledge in the field of arts, practical skills and self-expression skills through creativity, such as modeling, drawing, singing, etc.				
76.4	Educational programs in the direction of "Art and Culture", such as "Socio-cultural activity and folk art (by profile)", "Instrumental performance and musical art of pop art (by type)," Painting, sculpture and graphics (by type) ", " Theory of music ", etc., must meet the following requirements				
76.5	EP should contribute to the enrichment of creative experience in different types of practical activities characteristic of the specialty				
76.6	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 preparation, the EP should include disciplines and activities aimed at gaining practical experience and skills in the specialty as a whole and majors in particular, in t. hours:				
76.6.1	excursions to enterprises in the field of specialization (museums, theaters, design offices, etc.)				
76.6.2	conducting individual classes or entire disciplines at the enterprise of specialization				
76.6.3	holding seminars to solve practical problems relevant for enterprises in the field of specialization, etc.				
76.7	An important factor in the framework of the EP is the existence of a mechanism for peer review of creative examination papers of students				
TOTAL		1	1	3	
TOTAL IN GENERAL		47	29	11	