

Contents:

The Professional Training Center of the RSE “Kazaeronavigatsia”

Training programs

1. ATC specialists

2. ATSEP specialists

3. Meteorological flight support

4. Flight safety/Management

5. Aviation training centers

6. Air companies

7. Airports

8. Aviation English language

Contacts

Vision:

The leading Aviation Training Center in the Eurasian region.

Mission:

Introduction of a competency-based methodology in the training and evaluation of aviation personnel in order to improve the human capacity of the civil aviation industry of the Republic of Kazakhstan.

The Professional Training Center of the RSE «Kazaeronavigatsia»:

Since 2004, the Sectoral Training Center of the Republic of Kazakhstan provides professional trainings of civil aviation specialists by 56 directions (courses) by virtue of certificate issued by the authorized body in the field of civil aviation of the Republic of Kazakhstan.



Since 2008, is a test center to assess the language proficiency according to the ICAO scale.



Since 2016, is a full member of the International TRAINAIR PLUS Programme, implementing courses approved by ICAO.



Initiator and active participant of national and international conferences, workshops and meetings.

The Professional Training Center offers employers and employees of the aviation industry the modern certified professional training programs. Being a full member of the Global TRAINAIR PLUS system within the International Civil Aviation Organization (ICAO), the Professional Training Center applies and promotes international standards for training and assessment of aviation personnel.

Training programs of the Professional Training Center

1.ATC SPECIALISTS

<p>Initial training of air traffic controllers (Basic training + all qualification marks)</p>	<p>The training objective is to provide students with theoretical knowledge, practical skills and attitudes necessary to work as an air traffic controller. <i>Duration: 1348 hours</i> of theoretical training, 430 hours of simulator training/284 days</p>
<p>Initial training of air traffic controllers: qualification training</p>	
<p>Area Control Procedural</p>	<p>The training objective is to prepare trainees for unit training leading to the issuance of Area Control Procedural Rating (ACP) licence. <i>Duration of training:</i> 325 hours/63 days</p>
<p>Area Control Surveillance</p>	<p>The training objective is to prepare trainees for unit training leading to the issuance of Area Control Surveillance Rating (ACS) licence. <i>Duration of training:</i> 325 hours/63 days</p>
<p>Area Control Procedural + Area Control Surveillance</p>	<p>The training objective is to prepare trainees for unit training leading to the issuance of Area Control Procedural Rating (ACP) and Area Control Surveillance Rating (ACS) licence. <i>Duration of training:</i> 345 hours/67 days</p>
<p>Aerodrome Control</p>	<p>The training objective is to prepare trainees for unit training leading to the issuance of Aerodrome Control Rating (ADC) licence. <i>Duration of training:</i> 333 hours/ 64 days</p>
<p>Approach Control Procedural</p>	<p>The training objective is to prepare trainees for unit training leading to the issuance of Approach Control Procedural Rating (APP) licence. <i>Duration of training:</i> 333 hours/ 64 days</p>

Approach Control Surveillance	<p>The training objective is to prepare trainees for unit training leading to the issuance of Approach Control Surveillance Rating (APS) licence.</p> <p><i>Duration of training:</i> 353 hours / 68 days</p>
Aerodrome Control + Approach Control Procedural + Approach Control Surveillance	<p>The training objective is to prepare trainees for unit training leading to the issuance of Aerodrome Control Rating (ADC), Approach Control Procedural Rating (APP), Approach Control Surveillance Rating (APS) licence.</p> <p><i>Duration of training:</i> 414 hours/ 80 days</p>
<i>Re-training and refresher courses:</i>	
Refresher training for ATCOs	<p>The training objective is to provide ATCOs with an update of theoretical knowledge, practical skills and attitudes required to meet the qualification requirements of an ATCO.</p> <p><i>Duration: 56 hours/7 days</i></p>
Refresher training for ATCOs + STP (Radiotelephony communication in case of standard, abnormal and emergency situations)	<p>The training objective is to provide ATCOs with an update of theoretical knowledge, practical skills and attitudes required to meet the qualification requirements of an ATCO using the training materials, apply general and aviation English to solve communication problems in standard, abnormal and emergency situations.</p> <p><i>Duration: 56 hours/7 days</i></p>
ATC Supervisor/Senior Controller theoretical training	<p>The training objective is to provide ATCOs with the theoretical knowledge, practical skills and attitudes necessary for the Supervisors/Senior Controllers to effectively and efficiently manage the work of the ATCOs shift.</p> <p><i>Duration: 40 hours/5 days</i></p>
Refresher training for ATC Supervisor/Senior Controllers	<p>The training objective is to provide ATCOs with an update of theoretical knowledge, practical skills and attitudes necessary for the Supervisors/Senior Controllers to effectively and efficiently manage the work of the ATCOs shift.</p> <p><i>Duration: 28 hours/4 days</i></p>

<p>Training of ATC examiners: theoretical training</p>	<p>The training objective is to provide theoretical knowledge, specific practical skills and attitudes necessary for an ATC examiner to assess the theoretical and practical knowledge of candidates in order to license /give competency marks and permission to work. <i>Duration: 32 hours / 4 days</i></p>
<p>Refresher training of ATC examiners: theoretical training</p>	<p>The training objective is to provide ATC examiners with an update of theoretical knowledge, practical skills and attitudes necessary for an ATC examiner to assess the theoretical and practical knowledge of candidates in order to license /give competency marks and permission to work. <i>Duration: 14 hours/2 days</i></p>
<p>Refresher training of «Briefing» dispatchers and personnel of Air Traffic Planning Head Center</p>	<p>The training objective is to provide specialists of "Briefing" and personnel of Air Traffic Planning Head Center with up-to-date theoretical knowledge, practical skills and attitudes required for the competency compliance of specialists of "Briefing" and Air Traffic Planning Head Center specialists. <i>Duration: 36 hours / 5 days</i></p>
<p>Refresher training on-the-job ATC instructors and simulator training device instructors (OJTI/STDI)</p>	<p>The training objective is to provide OJTIs and STDIs with updated theoretical knowledge, practical skills and attitudes necessary to conduct training on simulator training devices and on-the-job training. <i>Duration: 32 hours/4 days</i></p>
<p>Initial training of flight information service</p>	<p>The training objective is to provide specialists with the knowledge, skills and attitudes necessary to apply the procedures of flight information service at aerodromes <i>Duration: 64 hours/8 days</i></p>
<p>Refresher training for specialists of flight information service</p>	<p>The training objective is to provide specialists with an update of the knowledge, skills and</p>

	<p>attitudes necessary to apply the procedures of flight information service at aerodromes</p> <p><i>Duration: 40 hours/5 days</i></p>
<p><i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i></p>	
<p>Instructional Techniques Training for ATC OJTI and STDI M-ITP (EN)</p>	<p>The course will provide air traffic controllers with necessary theoretical knowledge, practical skills and attitudes to perform OJTI/STDI simulator and on-the-job training in accordance with the ICAO competency framework presented in ICAO PANS-TRG, Doc 9868.</p> <p>Language: English</p> <p><i>Duration: 80 hours / 10 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>
<p>ATC Simulator/OJT instructor course STP</p>	<p>This course will provide ATCOs with the necessary theoretical knowledge, practical skills and attitudes required to perform simulator and on-the-job training.</p> <p>Language: Russian</p> <p><i>Duration: 80 hours / 10 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>
<p>Application of Integrated Database within Design of Flight Procedures and Charts STP</p>	<p>This course will provide cartographers and designers of flight procedures with the necessary knowledge, skills and attitudes to apply integrated database appropriately within design of charts and flight procedures.</p> <p>Language: Russian</p> <p><i>Duration: /40 hours / 5 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>

2.ATSEP SPECIALISTS

Initial training of ATSEP - Air Traffic Safety Electronics Personnel	The training objective is to provide trainees with theoretical knowledge, practical skills and attitudes necessary to perform procedures for the technical operation of CNS/ATM equipment <i>Duration: 426 hours / 54 days</i>
Refresher training for ATSEP - personnel for the operation of radio engineering equipment, communication facilities and technical flight support	The training objective is to deepen trainees ² previously acquired knowledge and obtain up-to-date information on the regulatory and legal aspects of activities, changes in regulations, technologies, processes, etc., required for the competency compliance of civil aviation specialists. <i>Duration: 50 hours / 7 days</i>
CISCO routing and switching. Part 1	The training objective is to provide trainees with the necessary knowledge, skills and attitudes for the installation, configuration and maintenance of medium-sized networks. <i>Duration: 60 hours / 8 days</i>
CISCO routing and switching. Part 2	The training objective is to provide trainees with the necessary knowledge, skills and attitudes for the installation, configuration and maintenance of large size networks, including WAN technologies and network security technologies. <i>Duration: 60 hours / 8 days</i>
MPLS – multiprotocol label switching	The training objective is to provide students with the necessary knowledge and skills to work with network equipment. <i>Duration: 60 hours / 8 days</i>
FOCL telecommunication systems and equipment	The training objective is to deepen trainees ² previously acquired knowledge, as well as network components and the requirements imposed on them; topology, interfaces, standards and protocols. <i>Duration: 40 hours / 5 days</i>
<i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i>	

<p>Operation and Maintenance of Mode S Surveillance System Equipment STP</p>	<p>This course will provide ATSEP personnel with the necessary knowledge, skills and attitudes to operate and maintain Mode-S surveillance system equipment in accordance with a manufacturer standards. Language: Russian <i>Duration: 40 hours / 5 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>
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3. METEOROLOGICAL FLIGHT SUPPORT

<p>Initial training of aviation meteorologists-forecasters (for specialists without operational experience in civil aviation)</p>	<p>The training objective is to provide aviation meteorological forecasters with the knowledge, skills and attitudes necessary to perform analysis and continuous monitoring of synoptic processes and other relevant environmental phenomena and parameters, forecasts, warnings and flight meteorological support. <i>Duration: 120 hours / 15 days</i></p>
<p>Initial training of aviation meteorologists-observers and/or meteorological technicians (for specialists without operational experience in civil aviation)</p>	<p>The training objective is to provide aviation meteorological observers and/or meteorological technicians with the knowledge, skills and attitudes necessary to undertake observation, monitoring, recording and communication of meteorological and other relevant environmental phenomena and parameters. <i>Duration: 100 hours/13 days</i></p>
<p>Refresher training for aviation meteorologists-observers and/or meteorological technicians</p>	<p>The training objective is to provide aviation meteorological observers and/or meteorological technicians with an update of the knowledge, skills and attitudes necessary to undertake observation, monitoring, recording and communication of meteorological and other relevant environmental phenomena and parameters. <i>Duration: 60 hours / 8 days</i></p>
<p>Refresher training for aviation meteorologists-forecasters</p>	<p>The training objective is to provide aviation meteorological forecasters with an update of the</p>

	<p>knowledge, skills and attitudes necessary to perform analysis and continuous monitoring of synoptic processes and other relevant environmental phenomena and parameters, forecasts, warnings and flight meteorological support.</p> <p><i>Duration: 76 hours / 10 days</i></p>
<p><i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i></p>	
<p>Meteorological Equipment Maintenance Personnel Training STP/ANS/039/MEMP/240RU</p>	<p>This course will provide the meteorological equipment maintenance personnel with necessary knowledge, skills and attitudes required to apply maintenance procedures of meteorological systems equipment in accordance with the Civil Aviation Meteorological Regulations</p> <p>Language: Russian</p> <p><i>Duration: 80 hours / 10 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>

4.FLIGHT SAFETY/MANAGEMENT

Safety Management	<p>The training objective is to provide with the knowledge, skills and attitudes necessary for the application of flight safety procedures in civil aviation.</p> <p><i>Duration: 24 hours/3 days</i></p>
International Search and Rescue	<p>The training objective is to obtain knowledge necessary for a full participation in the search and rescue activities in accordance with the functional responsibilities.</p> <p><i>Duration: 30 hours / 4 days</i></p>
Aviation Security (Module 1)	<p>The training objective is to provide trainees with the knowledge, skills and attitudes necessary to implement, ensure and develop the aviation security measures at the required level for all the categories of personnel of civil aviation</p>

	<p>organizations. <i>Duration: 8 hours / 1 day</i></p>
<p>Aviation Security (Module 1, Module 8)</p>	<p>The training objective is to provide trainees with the knowledge, skills and attitudes necessary to implement, ensure and develop the aviation security measures at the required level for air traffic personnel, air traffic controllers and aircraft maintenance personnel. <i>Duration: 16 hours / 2 days</i></p>
<p>Quality Management System. Auditing Process</p>	<p>The training objective is to provide the trainees with the knowledge, skills and attitudes necessary to apply quality assurance procedures within a civil aviation organization in accordance with the ISO 9000- and 19011 standards. <i>Duration: 24 hours / 3 days</i></p>
<p>Professional Training of Civil Aviation Organization and Aviation Training Centers Managers</p>	<p>The training objective is to describe the aviation management and administration procedures in accordance with the Law of the Republic of Kazakhstan “On the use of the airspace of the Republic of Kazakhstan and aviation activities”, the Convention on International Civil Aviation and its Annexes. <i>Duration: 38 hours / 5 days</i></p>
<p>International aviation law (theoretical introduction)</p>	<p>The training objective is to clarify the general principles of international aviation law to ensure efficient and safety air navigation in implementing the civil aviation activities. <i>Duration: 16 hours/2 days</i></p>
<p>Human factor: Human Abilities and Limitations, including Threats and Error Management (CRM)</p>	<p>The training objective is to comprehend the importance of human abilities and limitations, including threats and error management in civil aviation industry in accordance with ICAO standards and recommended practices. <i>Duration: 20 hours / 3 days</i></p>
<p>Human factor: Team resource management (TRM)</p>	<p>The training objective is to comprehend the importance of human abilities and team resource</p>

	<p>management in civil aviation industry in accordance with ICAO standards and recommended practices. <i>Duration: 16 hours / 2days</i></p>
<p>Refresher training for Human factor: Human Abilities and Limitations, including Threats and Error Management (CRM)</p>	<p>The training objective is to comprehend the importance of human abilities and limitations, including threats and error management in civil aviation industry in accordance with ICAO standards and recommended practices. <i>Duration: 8 hours / 1 day</i></p>
<p>Refresher training for Human factor: Team resource management (TRM)</p>	<p>The training objective is to comprehend the importance of human abilities and team resource management in civil aviation industry in accordance with ICAO standards and recommended practices. <i>Duration: 8 hours / 1 day</i></p>
<p><i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i></p>	
<p>State Aviation Inspector on Training Organizations STP</p>	<p>The training objective is to provide state aviation inspectors on training organizations with the necessary knowledge, skills and attitudes to perform the activities related to the certification, approval and surveillance of training organizations and training programmes. Language: Russian <i>Duration: 64 hours / 8 days</i> https://igat.icao.int/ated/TrainingCatalogue</p>

5.AVIATION TRAINING CENTERS

<p>Train the trainers - Basic</p>	<p>The training objective is to provide aviation training center instructors with the knowledge, skills and attitudes necessary to implement training procedures (test development and training sessions), as well as to comprehend the importance of human abilities and limitations,</p>
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	<p>including threats and error management during training sessions. <i>Duration: 38 hours / 5 days</i></p>
Train the trainers - Advanced	<p>The training objective is to provide aviation training center instructors with the knowledge, skills and attitudes necessary to conduct training courses and comprehend the importance of human abilities and limitations, including threats and error management during training sessions. <i>Duration: 22 hours / 3 days</i></p>
<i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i>	
Training Instructor Course (ICAO ITP)	<p>The training objective is to provide instructors with necessary knowledge to effectively conduct both regular training courses and courses developed by the TRAINAIR PLUS methodology. Language: Russian <i>Duration: 40 hours / 5 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>
Training Developers Course (ICAO ITP TDC)	<p>The training objective is to provide course developers with necessary knowledge for the needs of civil aviation to design and develop educational and methodological procedures based on ICAO's Training Development Guide Competency (Doc 9941). Language: Russian <i>Duration: 80 hours / 10 days</i></p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>

6.AIR COMPANIES

Initial training of Flight Operations Officers/Flight Dispatchers	<p>The purpose of the course is to provide trainees with the theoretical knowledge, practical skills, and attitudes necessary for a flight support officer/flight dispatcher to meet qualification requirements.</p>
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	<p><i>Duration:</i> Category A 70 hours/30 days Category B 90 hours/32 days Category C 164 hours/36 days Category D 366 hours/64 days Category E 136 hours/35 days</p>
<p>Recurrent Training for Flight Operations Officers/Flight Dispatchers</p>	<p>The purpose of the course is to provide trainees with the update information, practical skills and attitudes necessary for a flight support officer/flight dispatcher to meet qualification requirements. <i>Duration: 36 hours/5 days</i></p>
<p>Theoretical training of pilots-examiners</p>	<p>The training objective is to provide trainees with the knowledge, skills and attitudes necessary for pilot-examiner to assess the theoretical and practical knowledge of candidates for licensing, giving competency marks and permissions for independent work. <i>Duration: 26 hours/4 days</i></p>
<p>Ground Handling Operation (Supervisor's job)</p>	<p>The training objective is to provide with the knowledge, skills and attitudes necessary to implement procedures and technological regulations of ground handling operations on the apron in accordance with the functional responsibilities. <i>Duration: 16 hours / 2 days</i></p>
<p>Ground Handling Operation Personnel refresher training (Supervisor's job)</p>	<p>The training objective is to update knowledge, skills and attitudes necessary to implement procedures and technological regulations of ground handling operations on the apron in accordance with the functional responsibilities. <i>Duration: 8 hours / 1 day</i></p>

7.AIRPORTS

Ground Handling Operation and Aircraft Turnaround Processes Management	The training objective is to provide with the knowledge, skills and attitudes necessary for a full participation in the complex of ground handling operations on the apron in accordance with the functional responsibilities. <i>Duration: 16 hours / 2 days</i>
Ground Handling Operation and Aircraft Turnaround Processes Management Personnel refresher training	The training objective is to update knowledge necessary for a full participation in the complex of ground handling operations on the apron in accordance with the functional responsibilities. <i>Duration: 8 hours / 1 day</i>
Aerodrome Inspection Course	The training objective is to provide necessary knowledge, skills and attitudes necessary for safety inspection procedures at the aerodrome. <i>Duration: 40 hours / 5 days</i>
Obstacle Assessment	The training objective is to provide knowledge, skills and attitudes necessary to perform tasks related to obstacle assessment procedures at aerodromes (heliports). <i>Duration: 30 hours/4 days</i>

8.ENGLISH LANGUAGE

General and Aviation English for Aviation Personnel	The training objective is to provide knowledge, skills and attitudes necessary to apply general and aviation English to solve communication problems in standard, abnormal and emergency situations. <i>Duration: 20-40 hours / 3-5 days</i>
General and Aviation English for Engineers	The training objective is to provide knowledge, skills and attitudes necessary to apply general and aviation English to solve communication problems in technical engineering context. <i>Duration: 180 hours / 23 days</i>

<p>General and Aviation English: ICAO Level 4 refresher course</p>	<p>The training objective is to provide knowledge, skills and attitudes necessary to apply general and aviation English to solve communication problems in standard, abnormal and emergency situations. <i>Duration: 120 hours / 15 days</i></p>
<p>General and Aviation English: ICAO Level 4 refresher course. Intensive course</p>	<p>The training objective is to provide knowledge, skills and attitudes necessary to apply general and aviation English to solve communication problems in standard, abnormal and emergency situations. <i>Duration: 40-80 hours / 5- 10 days</i></p>
<p>Radiotelephony Communication Phraseology in English</p>	<p>The training objective is to provide air traffic controllers with theoretical knowledge, skills and attitudes necessary to apply standardized phraseology for the prescribed situations and deal with the linguistic challenges presented by quickly changing and dynamic abnormal situations and emergencies, requiring the use of colloquial language. <i>Duration: 40-80 hours / 5-10 days</i></p>
<p>Proficiency testing in accordance with the ICAO rating scale to determine the level of general and aviation English by the TEA test system</p>	<p>The purpose of the qualification test is to determine the level of proficiency in the English language used in radiotelephone communications according to the ICAO Language Proficiency Rating Scale. The tested audience is aviation station operators, air traffic controllers, pilots of aircrafts, airships, helicopters, as well as co-pilots who conduct radiotelephone communications on board when operating international flights. Testing is conducted by the TEA testing system (Test of English for Aviation), Mayflower College, UK).</p>
<p><i>Standardized training packages (courses) approved by ICAO and with issuance of ICAO certificates</i></p>	
<p>Radiotelephony communication in case of Standard, Abnormal and</p>	<p>The training objective is to provide air traffic controllers with theoretical knowledge, skills and attitudes necessary to apply standardized</p>

<p>Emergency Situations STP/FSM/179/RCSAE/239EN</p>	<p>phraseology for the prescribed situations and deal with the linguistic challenges presented by quickly changing and dynamic abnormal situations and emergencies, requiring the use of colloquial language in accordance with “Radiotelephony phraseology rules for flights and ATS”.</p> <p>Language: English Duration: 24 hours / 3 days</p> <p>https://igat.icao.int/ated/TrainingCatalogue</p>
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