

The Civil Aviation Academy JSC will defend the dissertation for the degree of Doctor of Philosophy (Ph.D) of **Ildar Anuarbekovich Pirmanov** on the topic "Digital twin of organizational and technical maintenance of helicopter engines and units on a neural network platform" under the educational program 8D07101 - "Aviation Engineering and Technology".

The dissertation was completed at the Department of Aviation Engineering and Technology of the Civil Aviation Academy JSC.

Dissertation submission form: dissertation.

Defense language: Russian.

Defense format: mixed

Official reviewers:

1. Edilkhan Didar - PhD in specialty 6D070400 - "Computer Engineering and Software", associate professor, director of the Scientific and Research Center Smart City Astana IT University (at least five independent works in the field of dissertation research of the applicant).

2. Kegenbekov Zhandos - PhD, specialty 052208 - "Transportation Process Management", professor, dean of the faculty of "Engineering and Information Technology", Kazakh-German University, Almaty, Republic of Kazakhstan.

Scientific consultants:

1. Koshekov Kairat Temirbaevich, Doctor of Technical Sciences, professor of the department of "Aviation Engineering and Technology" of the Civil Aviation Academy, Almaty, Republic of Kazakhstan.

2. Alexander Nikolaevich Medvedev - Dr. Eng. Sc. Professor of the "Institute of Transport and Communications", Riga, Latvia.

Temporary members of the dissertation council:

1. Kurmashev Ildar Gusmanovich - Candidate of Technical Sciences, specializing in 05.25.05 "Information Systems and Processes, Legal Aspects of Computer Science", Head of the Department of Information and Communication Technologies, Non-Commercial Joint-Stock Company "North Kazakhstan University named after Manash Kozybayev", Petropavlovsk, Republic of Kazakhstan.

2. Omarov Batyrkhan, PhD, research professor, MUIT, Almaty, Republic of Kazakhstan, has independent work in the field of the applicant's dissertation research.

3. Usatova Olga Aleksandrovna, PhD in specialty 6D100200 - "Information Security Systems", Associate Professor, Chief Scientific Secretary, VNS RSE on PV "Institute of Information and Computational Technologies" of the KN MNVO RK, has independent work in the field of the applicant's dissertation research.

The dissertation defense will take place: July 9, 2025, at 14:00 in the dissertation council at JSC "Academy of Civil Aviation" in a mixed format, at the address: Almaty city, Akhmetov street 44, audience B 314.

Website address: <https://caa.edu.kz/>

Zoom at the link:

<https://us06web.zoom.us/j/89842229144?pwd=XIraPUbjxuWMh82xC0caac7c637Kw5.1>

Conference ID: 898 4222 9144

Access code: 2025