



WORLD CONSTRUCTION CHAMPIONSHIP

Qualification criteria for applicants in the individual nomination "Architectural and Construction Design"

APPLICANTS

Currently employed specialists; students; independent applicants.

COUNTRIES

Russia,
Kazakhstan,
Kyrgyzstan,
Uzbekistan,
Tajikistan,
Belarus,
Armenia,
Azerbaijan,
Moldova,
Turkmenistan.

EDUCATION AND WORK EXPERIENCE REQUIREMENTS

For currently employed specialists:

Specialists with a related higher (higher vocational) education in industrial and civil engineering, or with a higher education in other areas of training and specialisation, who has completed professional retraining programmes in the field of industrial and civil engineering. At least one year of work experience.

For students:

A 3rd to 6th year student studying for a degree in industrial and civil engineering.

JOB RESPONSIBILITY REQUIREMENTS

Preparing design documentation for the construction of industrial facilities for submission to stakeholders.

KNOWLEDGE REQUIREMENTS

Regulations, compliance and technical guidance documents regulating urban planning and development activities;

- Regulations in the area of technical and fire safety;
- Composition and content of, and requirements for, documentation for the construction (reconstruction, repair, operation) of urban planning projects;
- Construction technology;
- Construction materials used in industrial buildings and structures, and properties of such materials;
- Modern means of automation in the field of urban planning, including automated information systems;
- Engineering graphics and construction drawing, applied software (including PC proficiency in AutoCAD, SCAD software);
- Guidance documents for the development and design of technical documentation in the field of urban planning;

- Best practices in the field of industrial construction;
- Health and safety requirements;
- Sanitary rules and standards; and
- National and international quality standards.

SKILLS REQUIREMENTS

- Find, analyse, and research the information required to develop and issue design solutions for engineering design projects;
- Develop solutions for engineering design products in the field of architecture and construction;
- Prepare proposals for the feasibility of changes to the adopted design solutions;
- Use information and communication technology as part of professional activities to perform works on engineering and technical design of architectural and construction projects;
- Ensure the compliance of the completed facilities with the regulatory documents and the construction assignment;
- Receive and communicate the information required in the context of professional activity for the works on engineering and technical design of architectural and construction projects;
- Draw up documentation for the works on the engineering design of the architectural and construction projects in accordance with the established requirements;
- Receive and process information from various sources, analyse this information, identify the main points in this information, and create new knowledge on its basis;
- Use regulatory reference materials and instructions (including the ability to work in the reference systems "Consultant Plus", "Techexpert", "Lawyer", "ADVISER", Legal Information Portal "TOKTOM", "Arlis" or their equivalents used in the EAEU member states); and
- Work with a computer using specialised software (AutoCAD, MS Office software).