

METHODOLOGY

for conducting preliminary and final stages
OF THE WORLD CONSTRUCTION CHAMPIONSHIP (WCC)
within the individual nomination:
Pricing and estimating standardization

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1. PURPOSE AND SCOPE

These methodological recommendations (hereinafter referred to as the Methodology) determine the procedure and conditions for holding the preliminary and final stages of the World Construction Championship (WCC) (hereinafter referred to as the Championship) within the individual nomination "Pricing and estimating standardization".

The preliminary stage of the Championship is optional, i.e. Participant Organizations shall make their own decisions and determine the option of selecting specialists to participate in the final stage of the Championship:

- or independently organize and hold the preliminary stage in the organization using the Tasks developed for the preliminary stage of the Championship according to the Methodology,

- or conduct the selection of Participants according to the qualification criteria in accordance with Appendix No. 1 to the Methodology.

The lists of Finalists shall be sent within the terms established by Section 9 of the Methodology, in accordance with the Quotas presented in Appendix No. 3 to the General Procedure for the Championship.

The participating organization shall provide the Organizer with information about the finalists in the format in accordance with Appendix No. 6 to the Methodology and ensure their registration on the Official website of the Championship <https://pro-wcc.ru> (hereinafter - the Official website) in the section "Participants".

Methodology for individual section in competence "Pricing and estimating standardization" designed to identify the level of competence and integrated assessment of knowledge, skills and abilities of experts dealing with the estimated pricing in construction and costing norm setting in terms of defining the construction costs of industrial-purpose facility.

2. TERMS AND DEFINITIONS

Abbreviation	Decryption
Jury/Expert jury	A group of experts evaluating the results of tasks performed by Participants on nominations
Task/Task of the Championship	Task, during performance and according to the results of which the Participants demonstrate the level of knowledge, abilities and skills on the nomination
Quotas	Number of places for specialists of Organizations-participants established by the Organizing Committee for each nomination in the final stage of the Championship
Nomination	Name of the activity (profession) on which the Championship competitions are held
Organizer	A team of diverse specialists under the direction of the Ministry of Construction of Russia and Rosatom State Corporation, responsible for organizing and holding of the Championship
Participant Organization	An Organization whose specialists take part in Championship competitions/General partner-Participant
Organizing	Federal Organizing Committee of the Championship

committee	
Official site	Website of the Championship containing complete, reliable, updated information about the Championship
Site	The site of the nomination, the place where the Participant /team of Participants complete the Tasks for the final stage of the Championship
Participant / Team of Participants	Specialist / Team of specialists taking part in the Championship competitions
Organization-developer	An Organization not participating in the competitions but providing methodological support for nominations
Technical expert	A Developer Organization representative who works on the site of the final stage of the Championship and ensures holding of the nomination competitions and the work of Expert Jury
Finalist	Specialist participating in the final competitions of the Championship
Championship	World Construction Championship (WCC) shall mean the international championship in industrial construction

3. REGULATIONS

The following sources were used to develop Tasks for the preliminary stage of the Championship:

- Town-Planning Code of the Russian Federation of 29.12.2004 N 190-FZ (edited 24.04.2020)
- The Labor Code of the Russian Federation of 30.12.2001 N 197-FZ (edited 25.05.2020);
- Resolution of the Government of the Russian Federation No. 145 dated March 5, 2007 “On the procedure for organizing and conducting state expertise of project documentation and engineering survey results”;
- Resolution of the Government of the Russian Federation No. 87 dated February 16, 2008 "On the composition of sections of project documentation and requirements for their content";
- Resolution of the government of the Russian Federation No. 427 dated May 18, 2009 "On the procedure for verifying the accuracy of determining the estimated cost of capital construction projects, the construction of which is financed with Federal budget funds”;
- Resolution of the Government of the Russian Federation No. 468 date June 21, 2010 "On the procedure for conducting construction control during construction, reconstruction and major repairs of capital construction projects”;
- Resolution of the Government of the Russian Federation No. 382 dated April 30, 2013 "On conducting a public technological and price audit of large investment projects with state participation and on making amendments to certain acts of the Government of the Russian Federation”;
- Methodical recommendations for the development of state element norm setting for construction, special construction and repair and construction works (Approved by the Oder No. 76/PR of the Ministry of the Russian Federation dated February 08, 2017);

- Methodical recommendations for the development of state element norm setting for equipment installation and commissioning (Approved by the Order No. 78 / PR of the Ministry of the Russian Federation dated February 08, 2017);
- Methodical recommendations for determining estimated prices for labor costs in construction (Approved by the Order No. 515 / PR of the Ministry of the Russian Federation dated September 04, 2019);
- Methodical recommendations for determining the estimated prices for materials, products, structures, equipment and prices of cargo delivery services for construction (Approved by the Order No. 517 / PR of the Ministry of the Russian Federation dated September 04, 2019);
- Methodical recommendations for the application of norm setting (Approved by the Order No. 507/PR of the Ministry of the Russian Federation dated September 04, 2019);
- Methodology for applying estimating norm setting of construction resources (Approved by Order No. 77/PR of the Ministry of the Russian Federation dated February 08, 2017);
- Methodology for determining the construction product costs on the territory of the Russian Federation MDS 81-35. 2004;
- Methodical guidelines for determining the overhead cost values in construction GDC (Guidance Documents in Construction) 81-33. 2004;
- Methodological guidelines for determining the value of norm setting profit in construction, GDC 81-25. 2001. Letter of the Federal Agency for Construction, Housing and Utilities No. AP-5536/06 dated 18.11.2004 "On the procedure for applying the estimated profit standards";
- Cost estimate standards for construction work SICES (state itemized cost estimate standards) 81-05-01-2020;
- Cost estimate standards for mounting of equipment SICES (state itemized cost estimate standards) 81-03-01-2020;
- Cost estimate standards for repair and construction work SICES (state itemized cost estimate standards) 81-02-51-2020;
- Law No. 300-Z of the Republic of Belarus “On architectural, urban planning and construction activities in the Republic of Belarus” dated 05.03.2004 (ed. Code of the Republic of Belarus No. 117-Z of 16.05.2006 , Laws of the Republic of Belarus No.134-Z of 29.06.2006, No 137-Z of 29.06.2006, No162-Z of 20.07.2006, No. 319-Z of 05.01.2008, No. 32-Z of 02.07.2009, No. 196-Z of 30.11.2010, No. 293-Z of 14.07.2011, No. 419-Z of 13.07.2012, No. 130-Z of 04.01.2014, No. 229-Z of 31.12.2014, No. 334-Z of 30.12.2015, No. 102-Z of 18.07.2016);
- Law of the Republic of Belarus No. 255-Z of May 10, 1999 On pricing (as revised Laws of the Republic of Belarus No. 80-Z of 31.12.2005 , No. 317-Z of 05.01.2008 No. 397-Z of 15.07.2008, No. 114-Z of 31.12.2009, No. 192-Z of 11.07.2014);
- Law of the Republic of Belarus No. 53-Z On investments dated July 12, 2013;
- Law of the Republic of Belarus No. 278-Z of August 14, 2007 On road transport and highway transportation operations (as revised Laws of the Republic of Belarus No. 109-Z of 04.01.2010, No. 130-Z of 04.01.2014 ,No. 242-Z of 10.01.2015 , No. 50-Z of 17.07.2017);

- Order No. 175-C of the Ministry of Transport and Communications of the Republic of Belarus dated April 12, 2012 On approval of recommended standards for the distance of passenger and cargo transportation between localities of the Republic of Belarus;
- Order No 158-C of the Ministry of Transport and Communications of the Republic of Belarus dated April 23, 2013 On approval of methodical recommendations for calculating tariffs for road transport of goods and passengers in the Republic of Belarus;
- Resolution of the Board of the Ministry of Architecture and Construction of the Republic of Belarus No. 152 dated May 5, 2016 On approval of the maximum cost standards;
- Resolution No. 391 of the Board of the Ministry of Architecture and Construction of the Republic of Belarus On approval of working drawings dated September 1, 2014;
- Letter No. 02-3-04/2294 of the State Committee for Standardization of the Republic of Belarus, Ministry of Architecture and Construction of the Republic of Belarus of April 7, 2009 On the procedure for conducting state expertise;
- Standards for spending resources in volume term on building structures and works (NPP 8.03.101-2017);
- Aggregate cost regulations and aggregate resource expenditure regulations by type of work for the construction of objects (building structures and works) (UnSiR 8.02.101-2017);
- Regulatory document for determining the estimated cost of construction in the Republic of Kazakhstan (as amended dated 14.12.2018);
- Regulatory document for determining overhead cost values and estimating profit associated with decisions of the construction organization project (as amended dated 14.12.2018);
- Regulatory document for determining additional costs associated with decisions of the construction organization project (dated 14.11.2017);
- Regulatory document for determining the cost of engineering services in construction (with amendments and additions as of 14.12.2018);
- Collections of elemental estimate standards of resource consumption for construction, repair and construction work and installation of equipment (ESN RK (Elemental estimate standards of the Republic of Kazakhstan) 8.04-01-2015, ESN RK 8.05-01-2015, ESN RK 8.04-02-2015) (with amendments and additions, Issue 18);
- BR RK (Building regulation of the Republic of Kazakhstan)1.02-03-2011 Procedure for development, approval, confirmation and composition of project documentation for construction in the Republic of Kazakhstan;
- Law of the Kyrgyz Republic "On urban planning and architecture of the Kyrgyz Republic "(No. 66 as amended on May 18, 2019,);
- Methodical guidelines for determining the overhead cost values while calculating construction budget estimate on the territory of the Kyrgyz Republic (Approved by the Order No. 4-NPA of the State Agency for Architecture, Construction and Utilities under the Government of the Kyrgyz Republic dated May 18, 2016);
- Methodical guidelines for determining the cost of construction on the territory of the Kyrgyz Republic (Approved by the Order No. 4-NPA of the State Agency for Architecture, Construction and Utilities under the Government of the Kyrgyz Republic dated May 18, 2016);

- Methodical guidelines for determining the estimating profit in construction (Approved by the Order No. 4-NPA) of the State Agency for Architecture, Construction and Utilities under the Government of the Kyrgyz Republic dated May 18, 2016);

When preparing Tasks, only the part of the provisions and recommendations that does not contradict the provisions of similar documents of other EAEU member States was extracted from all regulatory documents.

4. REQUIREMENTS TO PARTICIPANTS

Specialists who meet the following requirements are allowed to participate in the Championship:

No.	Name	Contents
1.	Requirements for the occupied position	<ul style="list-style-type: none"> – Cost consultant engineer – Engineer-economist; – Economist surveyor – Specialist in pricing and cost estimate standardization in construction; – Specialist in pricing and cost estimate standardization in construction using information modeling technologies; – Leading expert on pricing and cost estimate standardization in construction; – Chief specialist on pricing and cost estimate standardization in construction; – Director (supervisor) of a department (department, service, section, group) for price formation and cost estimate standardization (developing cost estimate documentation)
2.	Education Requirements	<ul style="list-style-type: none"> – Higher technical (construction specialties) or an economic education - Bachelor's degree programs, Specialist Degree programs, Master's degree programs; – Complementary professional education - professional development programs, professional retraining programs; – If there is a non-industry-specific higher education, the obligatory requirement is complementary professional education - professional retraining program in the field of professional expertise
3.	Requirements for special permits and documents	Not required
4.	Requirements for work experience	Experience of no less than five years of specialized professional activity in the field of construction.

5.	Job Functions Requirements	<ul style="list-style-type: none"> - Analysis of the technical task for the development of cost documentation, completeness and sufficiency of initial data for its compilation; - Planning the required actions and determining the amount of data needed to complete the work; - Determining the scope of work and construction resources in accordance with the technical documentation required for the development of cost calculations; - Drawing up a set of works taking into account their technological sequence; - Performing selection of basic machines and mechanisms, systems, resources, and equipment based on project documentation; - Registration of statements of work volumes and defect statements in accordance with the established procedure; - Participation in coordination and approval of work volume statements with the customer; - Accounting in the estimate documentation of the optimal delivery option for material resources based on the provided logistics information; - Selection of elementary and enlarged estimates to determine the estimated cost; - Considering terms of the production of works; - Development of cost calculations regulated by methodological documents on estimating pricing; - Preparation and execution of cost estimate standards in accordance with the established procedure as part of cost calculations and explanatory notes; - Organization of work on preparing, conducting and submitting the results of determining the estimating cost; - Monitoring current prices for resources, equipment, and current cost estimate standard regulations, and analyzing the information received.
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6.	Knowledge Requirements	<ul style="list-style-type: none"> - Legislative and regulatory acts and laws in the are of urban planning and development - The standards and methods, and procedural documents that relate to price formation and construction cost estimate standardization - The construction rules and regulations, government and industry standards - The process of organizing and developing the project documentation, and the procedure to secure preliminary approval, and subsequent approval, for a construction project - The principles for technological and architectural design for infrastructure and buildings - Modern building structures and materials - The technologies used in construction work - The rules for signing construction contracts and government contracts to do construction work - All aspects that have to do with organizing construction work - The features inherent in, and the financing procedure for, construction work; the principles of taxation in the construction industry - The requirements for organizing work when building industrial-purpose facilities - The construction rules and regulations that apply to the area of industrial construction - The procedure for going through expert review on the project cost estimate documentation, and checking the accuracy with determining the estimated costs for construction work at industrial facilities.
7.	Skill Requirements	<ul style="list-style-type: none"> - Searching for updated legislative, procedural, and regulatory documentation on determining the estimated costs of construction; - Analyzing the conditions for doing construction, reconstruction, and capital repair work that are necessary to put together cost estimate calculations; - The correct use of necessary technical and regulatory documentation that govern the

		<p>issues involved in construction price formation and cost estimate standardization;</p> <ul style="list-style-type: none"> - The well-founded choice of methods and ways to determine construction cost estimate documentation; - Developing various types of cost estimate calculations as per established procedures; - Drafting and putting together cost estimate documentation as per established procedures; - Assessing the accuracy with determining the cost estimates for construction, capital repair, and reconstruction projects for industrial facilities; - Analyzing the technical documentation and using it when preparing baseline data to determine the cost estimates; - Calculating the cost estimates for all types of resources and equipment as per established procedures - Knowing how to use modern organizational and communication equipment to electronically transmit, protect, and store information - Using updated office programs at the level of a proficient user - Proficiently using updated special-purpose cost estimate programs - Competence in specialized software for working with project documentation (CAD systems).
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5. ORDER OF THE PRELIMINARY STAGE OF THE CHAMPIONSHIP (if applicable)

5.1 The purpose of the preliminary stage of the Championship is to identify and select the Finalists who are able to demonstrate a high level of knowledge and skills that meet international requirements.

5.2. The preliminary stage of the Championship is held within the terms established by the Organizing Committee: from 03 August to 11 December 2020.

5.3. Participant Organizations shall independently organize and hold the preliminary stage using the Tasks developed for the preliminary stage of the Championship and the Methodology.

5.4 Operating mode for the preliminary stage of the Championship: full-time, on an on-the-job basis in the Participant Organizations.

5.5 The Organizer does not provide any clarifications about the Task for the Participants during the organization and conduct of the preliminary stage of the Championship.

5.6 The Organizer communicates on the issues of holding the preliminary stage of the Championship only with persons officially authorized and responsible in the Participant Organizations for organizing and holding the Championship (hereinafter - Responsible person (people)).

5.7 For additional information and clarifications on the preliminary stage of the Championship, the Participants must only contact the Responsible Persons in their organization.

5.8 The Responsible Person provides organizational and technical support to the Participants during the preliminary stage of the Championship.

5.9 The Participant Organizations shall choose the time and place for the preliminary stage, and organize workplaces for the Participants. Participants are allowed to go through the preliminary stage using personal electronic devices. The organizer does not go to the Task completion site.

5.10 Holding the theoretical and practical part of the Task of the preliminary stage of the Championship:

5.10.1 The tasks of the theoretical and practical part of the preliminary stage of the Championship is either posted on the information and educational resource of the private institution run by the State Atomic Energy Corporation "ROSATOM" called "The Branch center of the capital construction" (hereinafter referred to as the Resource), or provided by the Organizer in electronic form at the official request of the Participant Organizations (indicating the contact details of the Responsible person (people)).

5.10.2 Participant Organizations can independently choose a tool for testing Participants: either a Resource, or the organization's own electronic resource, or another tool. Information about selecting a tool to test the Participants shall be sent to the Organizer.

5.10.3 If a Resource is selected as the tool to conduct the testing part of the Task, the Organizer shall only perform the following works for Participant Organizations:

- confirm the registration for Participants, and provide Participants with access to the Resource from a personal computer, as well as to the Task, from a mobile device

- shall publish Tasks involved in the preliminary stage,

- shall generate uploads with the results of the Participants completing the tasks for those responsible in Participant Organizations, but no more frequently than 1 (one) time in 3 (three) work days

- in case of errors in the Resource, the Organizer shall fix them no later than 2 (two) business days.

5.10.4 The Organizer does not provide Participants with an Internet connection (hereinafter referred to as the Internet) and if an Internet failure occurs then the Organizer shall not be responsible for the result of the Participants performing their tasks.

5.11 At the Site where the Preliminary stage is Executed (if applicable):

5.11.1 Workplace and Task Familiarization

Participants are allowed to perform the Task only after passing the briefing on labor protection and safety at the workplace.

Immediately before the beginning of the Task, the Jury Experts (if applicable) or the Responsible Person shall conduct an induction briefing for Participants regarding work regulations at workplaces, and acquaint the Participants with the content of the Task and the evaluation criteria.

- no more than 30 minutes are allotted to conduct an introductory labor protection and safety rules briefing and provide explanations on the work regulations, which are not included in the total time for completing the Task.

No more than 30 minutes are allotted for familiarization with a workplace and study of the Task, which are not included in the total time for completing the Task. Based on the results, a protocol shall be prepared (Annex No. 2, Form 1, 2, 3).

5.11.2 Beginning and completion of work

The Participant shall wait for the instructions of the Responsible Person or the Jury Expert (if applicable) to start and finish the work. If, for reasons beyond the control of the Participant, he/she had to interrupt the Task, then he/she shall immediately report the forced stop to the Jury Expert (if applicable), or to the Responsible Person. In this case, the start and end time of the stop shall be recorded.

After confirmation by the Jury Expert (if applicable), or by the Responsible Person, the Participant shall have the right to receive additional time equal to the time of the forced stop. The amount of extra time shall be determined individually, and shall be recorded in the Protocol for an abnormal situation (Annex No. 2, form 4).

5.11.3 Abnormal Situations

Any deviations from this Methodology and the provisions of The General Order of the Championship shall be considered as an abnormal situation. The decision on an abnormal situation shall be made by the Jury Experts (if applicable) by voting or by the Responsible person with the execution of the corresponding protocol (Annex No. 2, form 4).

5.11.4 Communication and Contacts by Participants

The Participants may not legally communicate with unauthorized persons during the official time of the preliminary stage of the Championship, including contacts of Participants with each other are prohibited. Periods of time (15-30 minutes) allocated for official communication of Participants can be held before the start of the Task and after the end of work on the site. Using any equipment for personal communications (mobile phones, electronic devices) is prohibited.

5.13.8 Illness or Accident

If any of the Participants gets sick, or falls victim to an accident, the Responsible Person or the Jury Chair (if applicable) shall be immediately notified of this, and shall decide whether to award points to the Participant for the amount of work performed.

5.13.9 Industrial Safety

All Participants on the site shall comply with labor protection and safety requirements.

In order to support the measures to prevent the spread of the novel coronavirus infection inside the Russian Federation, all people that are present at the Championship site shall comply with a set of protective measures to help combat the COVID-19 infection.

6. ORDER OF THE FINAL STAGE OF THE CHAMPIONSHIP

6.1 The Organizing Committee shall establish the dates and venue of the final stage of the Championship annually and publish them on the official website of the Championship.

6.2 The form of participation in the Championship is full-time, with a day release.

6.3 The Participants shall arrive at the venue of the final stage of the Championship no later than 1 (one) day before the start of the competition.

6.4 Prior to the start of the Championship competitions, the Participants shall undergo a General labor protection and safety briefing, receive registration badges, and participate in a General organizational meeting in the Championship region. The time and place shall be determined by the Organizer, and notified additionally no later than 5 (five) days before the start of the Championship competitions.

6.5 At the Site of Conducting the Final Stage:

6.5.1 Becoming Familiar with the Workplace and Task

Participants are allowed to perform the Task only after passing the briefing on labor protection and safety at the workplace.

Immediately before the beginning of the Task, the Technical Experts will conduct an induction briefing for Participants regarding the work regulations at workplaces, and acquaint the Participants with the content of the Task and the evaluation criteria.

- no more than 30 minutes are allotted to conduct an introductory labor protection and safety rules briefing and provide explanations on the work regulations, which are not included in the total time for completing the Task.

No more than 30 minutes are allotted for familiarization with a workplace and study of the Task, which are not included in the total time for completing the Task. Based on the results, the Technical Expert shall execute a protocol (Annex No. 2, Form 1, 2, 3).

6.5.2 Beginning and Completion of Work

The participant must wait for the instructions of the Technical Expert to begin and complete the work. In case for reasons beyond the control of the Participant, he/she had to interrupt the Task, he/she shall immediately report the forced stop to the expert of the Jury. In this case, the start and end time of the stop shall be recorded.

After confirmation by the Jury Expert, the Participant shall have the right to receive additional time equal to the time of forced stop. The amount of extra time shall be determined individually and shall be recorded in the Protocol of an emergency situation (Annex No. 2, form 4).

6.5.3 Abnormal Situations

Any deviations from this Methodology and the provisions of The General Order of the Championship shall be considered as an abnormal situation. The decision in an abnormal situation is made by the experts of the Jury by a simple vote of experts with the preparation of the corresponding report sheet (Annex No. 2, form 4).

6.5.4 Communication and Contacts by Participants, Technical experts, and the Expert Jury

Any communication during the performance of Tasks by Participants shall be regulated by The General Order of the Championship.

6.5.5 Illness or Accidents

In case of an accident or sudden illness, the Participant shall first report the incident to the Expert jury on the site, who shall take measures to provide first aid to the victims, call an ambulance, and, if necessary, send the victim to the nearest medical facility.

The Expert jury shall make a collective decision on whether it is possible to compensate for the lost time. If a Participant has to withdraw from further participation in the Championship, he/she receives points for the amount of work performed.

6.5.6 Industrial Safety

All Participants on the site shall comply with labor protection and safety requirements.

In order to support the measures to prevent the spread of the novel coronavirus infection inside the Russian Federation, all people that are present at the Championship site shall comply with a set of protective measures to help combat the COVID-19 infection.

7. TASK AND EVALUATION STRATEGY

7.1 Preliminary stage (if applicable)

7.1.1 The task of the preliminary stage contains a theoretical and practical part, and shall be conducted in a testing format. The test contains a total of 60 questions in four main blocks: regulatory, methodological, practical, and tasks with calculations. The total time for completing the Task is no more than 60 minutes.

Participants must complete Tasks based on the analysis of the necessary knowledge and skills provided for the performance of labor functions contained in the qualification criteria for the nomination. The Task block for each Participant consists of methodological, regulatory, practical and calculation blocks. The tasks are based on common provisions for all EAEU countries, legislative and methodological approaches to determining the estimated cost of construction and exclude country affiliation.

Regulatory unit is aimed at the possession of the regulatory legal acts of the EAEU countries, influencing the processes associated with the formation of the estimated cost of construction; didactic unit aimed at the possession of the methodological documents in the field of construction pricing and budget normalization; practical and computational units is aimed at testing the skills of preparation of estimates by various methods, practical skills of determining the estimated cost, elements of literacy using the system of estimated standards, and methods of preparing estimates.

7.1.2 The tasks of the theoretical part are 50 (fifty) test questions with multiple choice answers, of which 1 (one) will be correct. Time to complete the regulatory block is 15 minutes without a break; methodical block - 15 minutes without a break; practical block - 10 minutes without a break.

7.1.3 Tasks (cases) in the practical unit include 10 practical case studies. Time to complete is 20 minutes.

7.1.4 The Tasks are performed individually by each Participant.

7.1.5 Tests may contain both text and graphical questions.

7.1.6 During the preliminary stage Task execution, each Participant shall answer all theoretical questions and solve the practical case.

7.1.7 The Task is assessed on a 70-point scale.

7.1.8 Each correct answer in the theoretical part of the Task earns 1 (one) point.

7.1.9 The maximum number of points for the theoretical part of the Task is 50 (fifty) points.

7.1.10 Each correct answer in the theoretical part of the Task earns 2 (two) points.

7.1.11 The maximum number of points for the theoretical part of the Task is 20 (twenty) points.

7.1.12 Calculating the total number of correct answers for the Task shall be performed either automatically (if the Resource or the Participant Organization's own electronic resources are used as a testing tool), or manually by the Responsible Person, or by the Jury.

7.1.13 The results of the Tasks completed by the Participants shall be drawn up in the final report in accordance with Annex 4 (form 3) to the Methodology.

7.2 Final stage

7.2.1 In the final stage, Participants perform a Task containing practical tasks with the need to perform calculations based on the working documentation for the project of an industrial construction facility developed specifically for the nomination of the Championship.

Participants are offered 2 (two) options for completing Tasks:

either with the use of building information modelling (hereinafter – BIM),

or using the classic working documentation.

Tasks can be completed either using Excel as a tool, or using specialized SOFTWARE developed for the nomination.

When selecting the option for completing tasks using BIM, Participants are awarded additional points when calculating the final score. The value of the increasing coefficient is announced before the start of the Championship competitions.

7.2.2 Finalists must have knowledge in the following areas to the extent necessary to solve the problem of developing estimates for the construction of industrial-purpose facilities:

Legislative and regulatory acts and laws are of urban planning and development

The standards and methods, and procedural documents that relate to price formation and construction cost estimate standardization

The construction rules and regulations, government and industry standards

- The process of organizing and developing the project documentation, and the procedure to secure preliminary approval, and subsequent approval, for a construction project

- The principles for technological and architectural design for infrastructure and buildings

- Modern building structures and materials

- The technologies used in construction work

- The rules for signing construction contracts and government contracts to do construction work

- All aspects that have to do with organizing construction work

- Determining the scope of work and construction resources in accordance with the technical documentation required for the development of estimate cost calculations;

The requirements for organizing work when building industrial-purpose facilities

7.2.3 The time allowed to complete the Task is no more than 20 hours. The total time for completing the Task is no more than 60 minutes for two days.

7.2.4 The Task and assessment criteria for the final stage of the Championship is verified in accordance with the Verification Procedure.

7.2.5 The nomination evaluates the level of knowledge of normative legal acts in the field of urban planning in terms of estimated pricing, the application of normative and methodological

documents necessary for determining the estimated cost, as well as the competent use of the system of estimated standards in practice.

7.2.6 The results of the Task completed by the Participants shall be evaluated by the Jury in accordance with the assessment criteria within 2 (two) days of the final competition. The Jury shall provide the participants with final results and valuation sheets for review. Participants confirm that they have familiarized themselves with the results by signing the valuation sheets.

7.2.7 The Jury's Decisions on the results of the Tasks completed by the Participants shall be drawn up in the final report sheet in accordance with Annex 4 to the Methodology. The report form sheet can be supplemented by a decision made by the Organizer.

8. EXPERT JURY

8.1 Preliminary stage (if applicable)

8.1.1 To assess how the Tasks were executed by the Participants in the preliminary stage, the Participant Organizations can independently create an Expert Jury. Assessment of the Tasks performed by the Participants may be done either automatically (if the Resource or the Participant Organization's own electronic resources are used as a testing tool), or manually by the Responsible Person.

8.1.2 The Expert Jury for individual nomination " Pricing and estimating standardization" consists of the Chairman and 2 (two) Jury members.

8.1.3 The Chairman of the Jury is determined by a simple drawing of lots.

8.2 Final stage

8.2.1 In order to assess how the Tasks were executed by the Participants in the Final Stage, a Jury for the individual nomination " Pricing and estimating standardization", consisting of experts from the Participant Organizations is formed.

8.2.2 The requirements for the Expert jury and the principle of forming the personal composition of the Jury in the final stage of the Championship are established by The Regulations on the Work of the Expert Jury.

8.2.3 The activity of the Expert Jury is regulated by official documents: The General Order of the Championship, The Regulations on the Work of the Expert Jury, and The Methodology.

9. PROCEDURE FOR DETERMINING THE FINALISTS AND WINNERS OF THE CHAMPIONSHIP

9.1 Procedure for determining the Finalists (if applicable)

9.1.1 The Winners of the preliminary stage of the Championship are determined by the Jury based on the maximum score gained by the Participants. The final scores of the Participants are compared, and an overall rating of Participants by nomination is generated.

9.1.2 Participant Organizations, based on the results of the preliminary stage of the Championship, shall form and approve the final Protocol as per Annex 4 to the Methodology.

9.1.3 The Organizations-Participants shall determine the Finalists independently on the basis of the overall rating of the winners of the preliminary stage in accordance with Quotas according to The General Order of the Championship.

9.1.4 In case several Participants scored the same number of points, the winners shall be determined by the time of completion of the Task, the Participants who completed the Tasks faster go to the final stage of the Championship.

9.1.5 All finalists shall register on the official website of the Championship, and fill out a Participant questionnaire in the “For Participants” section.

9.1.6 The Participant Organizations shall send an official email to the Organizer’s email address with the list of Finalists approved by the organization’s director, or an authorized representative (main and reserve members), for the nominations in the form prescribed as per Appendix No. 6 to the Methodology, in both PDF and Excel format, within the period established by the Organizer and published on the Official website of the Championship.

9.2 Procedure for determining the winners of the Championship

9.2.1 The Jury shall sum up the results of the Championship in the nomination and determine the winners in the final stage of the Championship.

9.2.2 The Participant who has received the highest number of points based on the results of Tasks and has taken the 1 (first) place in the overall rating of the Participants shall be named the winner in the nomination.

9.2.3 In case several Participants have scored the same number of points, the winners shall be determined by the introduction of an additional assessment criterion, which the Technical expert and the Jury shall announce to the Participants before the start of the competition.

9.2.4 The Jury shall create a list of winners of the final stage of the Championship and draw up the final Protocol, which shall be submitted to the Organizer along with the Protocols and rating sheets with the results of Tasks.

10. REPLACEMENTS

10.1. Participant Organizations shall ensure a reserve team of Participants for the nomination to replace Finalists in the event of unforeseen circumstances and forced cancellation of participation of Participants from the first team in the final stage of the Championship.

10.2. The number of reserve Participants shall be equal to the number of the main Participants.

10.3. Specialists of the reserve team shall meet the qualification requirements for Participants specified in the Methodology.

10.4. Reserve team specialists shall register on the official website of the Championship, and fill out a Participant questionnaire in the “For Participants” section.

10.5. Participants can be replaced no later than 2 (two) weeks before the start of the final stage of the Championship. The date of replacement shall be the date when the Organizer sends a response to the Participant Organizations with confirmation of the replacement.

10.6. The Organization-Participant shall replace the Participant from the reserve team of Participants by sending an official notification to the Organizer indicating the reason for the replacement, indicating data about main and reserve team Participants and receiving a response from the Organizer confirming the replacement.

11. APPEALS

11.1 Within the framework of the final stage of the Championship, the Participants may appeal against the quality of the evaluation of the results and the work of the Jury on the evaluation and summing up procedure.

11.2 The appeal is filed on the terms and conditions established by the Regulation on the appeal commissions for nominations.

11.3 Appeals are reviewed by the Appeals Commission.

12. RIGHTS, POWERS AND OBLIGATIONS

The rights, powers and obligations of the Participants, Expert Juries, Technical Experts, the Organizer are established in The General Order of the Championship.

13. AWARDS

The winners and laureates of the Championship are provided with awards and prizes in accordance with The General Order of the Championship.

Example of Preliminary Stage competition Tasks

1. What principles are laid down in group "D" of the rules of basic terms of product delivery?
 1. ...
 2. ...
 3. ...
 4. ...
2. When does the risk pass under the EXW INCOTERMS 2020 "Ex Works" / "ex works" delivery term?
 1. ...
 2. ...
 3. ...
 4. ...
3. When does the risk pass under DPU INCOTERMS 2020 Delivered Named Place Unloaded delivery terms?
 1. ...
 2. ...
 3. ...
 4. ...
4. How is the average category of construction workers determined when developing individual estimates?
 1. ...
 2. ...
 3. ...
 4. ...
5. How many tons of sand will be required to create a "bed" and backfill a steel pre-insulated pipeline 50 m long laid in a trench? The initial data is given in Annex 1.
 1. ...
 2. ...
 3. ...
 4. ...

6. Determine the estimated cost of the floor slab according to the initial data of Annex 1. The fare for transportation is 500 rubles for 1 ton when moving 30 km. and 25 rubles for 1 ton / km for each kilometer over 30 km.

Recommended forms of protocols for the work of the Jury

Form 1

**Report Sheet on Familiarizing the Participants with
Workplaces**

Nomination _____

Chairman of the
Jury _____

We, the undersigned, confirm that we have been given the opportunity to fully familiarize ourselves with the workplaces on the site.

No.	Participant's Full Name	Comments	Signature

Date _____ 2021

Chairman of the Jury _____

Form 2

Report Sheet on Familiarizing the Participants with the Task and Assessment Criteria

Nomination _____

Chairman of the
Jury _____

We, the undersigned, confirm that we have been given the opportunity to fully familiarize ourselves with the Task and the assessment criteria.

No.	Participant's Full Name	Comments	Signature

Date _____ 2021

Chairman of the Jury _____

Form 3

Report Sheet on Familiarizing the Participants with Safety and Labor Protection Rules

Nomination _____

Safety and labor protection briefing was conducted by _____

Chairman of the Jury _____

No.	Participant's Full Name	Comments	Signature

Date _____ 2021

The briefing was conducted by _____ / _____ /

Form 4

**Jury Decision Record Sheet
on an abnormal situation**

Nomination _____

Chairman of the Jury _____

The Jury decided on _____

We confirm our agreement with this decision.

Jury member Full name	Signature

Date _____ 2021

Chairman of the Jury _____

Annex No. 3

Form of providing the Organizer with a list of Finalists

First team of Finalists:

No.	Full Name	Position	Organization	E-mail	Contact phone	Specialty within the nomination (if applicable)	Registration mark on the Official website (yes / no)
Nomination							

Nomination							
...							

Reserve team of Finalists:

No.	Full Name	Position	Organization	E-mail	Contact phone	Specialty within the nomination (if applicable)	Registration mark on the Official website (yes / no)
Nomination							
...							

Head of organization (authorized person)

_____ / _____ /

Responsible employee:

_____ / _____ /

Recommended forms of final reporting documents for the work of the Jury

Form 1

LIST

of Championship Participants

Nomination « _____ ».

Period of conducting: _____.

Place of conducting: _____.

No.	Participant's Full Name	Position	Organization	Contacts
1.				
2.				
3.				
4.				
...				

Form 2
LIST
Jury member (if applicable)

No.	Full name	Position	Organization	Contact details/e-mail	Nomination
1.					
2.					
3.					
4.					
5.					
6.					
...					

Form 3

Final Report sheet

Date _____2021

Nomination «_____».

Period of conducting: _____.

Place of conducting: _____.

No.	Participant's Full Name	Position	Point count for completing the Task	Final score (points awarded)	Place
1.					
2.					
3.					
4.					
5.					
6.					
...					

Jury Members					
1.	Full name	Position	Organization	Signature	Date
2.	Full name	Position	Organization	Signature	Date
...					
Chairman of the Jury:					
1.	Full name	Position	Organization	Signature	Date

Head of organization (authorized person)

_____ / _____ /

Responsible employee:

_____ / _____ /

Labor Protection Requirements and Safety Requirements for the Site of the Preliminary Stage of the Championship

(if applicable)

1. General Requirements for Industrial Safety

It is forbidden while working in computer classes:

- to work at the computer and touch the monitor screen with dirty or damp hands;
- to move the monitor and system unit without the permission of the Jury;
- to touch wires, sockets, and connecting devices;
- to use personal data carriers and mobile phones;
- to have meals and drinks in the computer class;
- to perform work that is not specified in the Task;
- to place foreign objects on the computer table.
- to fix any computer problems on your own;
- to put foreign objects on the main and peripheral equipment;
- to connect cables, connectors, and other facilities to an on-line computer;
- to use excessive effort when installing external media;
- to turn off the computer when external media is installed.

2. Requirements for Industrial Safety before Starting Work

2.1. Before starting work, Participants must do the following:

- check the condition and serviceability of computer equipment elements that are powered from the power grid;
- prepare the materials and devices necessary for work and put them on workplace, remove all unnecessary items from the desktop;
- prepare personal protective equipment against COVID-19 infection.

3. Requirements for Industrial Safety during the Course of Work

3.1 When performing the Task, individual protective equipment such as mask and gloves must be used when necessary.

3.2 Participants shall comply with the rules for the use of individual and collective protective equipment, observe the rules of personal hygiene, and keep the workplace clean.

In the room for performing electrical work, there must be a first-aid kit with the necessary medicines and dressings. The first aid kit must contain an inventory of medicines and instructions for providing first aid to injured persons.

Participants shall comply with fire safety rules, know locations of primary fire extinguishing equipment and evacuation exits. The room for the Tasks is supplied with powder or carbon dioxide fire extinguishers.

In the event of an accident, the injured person or other Participants shall immediately inform the Jury about the incident. If the equipment fails, stop working and report it to the Jury Experts.

3.6 Responsibility for accidents that occurred in the nominated premise is borne by the Participants, both directly violating the rules of safe work on electrical installations, and persons of the administrative and technical personnel who did not provide:

- execution of organizational and technical measures to prevent the possibility of accidents;

- compliance of the workplace with labor protection requirements;

4. Safety Requirements in Emergency Situations

4.1. If a malfunction is detected in the operation of computer devices under voltage (increased heating, sparking, burning smell, smoke, etc.), the Participant should immediately switch-off the power supply and report the incident to the Jury.

4.2 if there is a power outage in the premises, stop panicking and do not leave your seat until you hear the Technical expert's command;

4.3 In the event of a fire or smoke, immediately switch-off the computer hardware, take measures to evacuate people, inform the Jury and the nearest fire department about this accident. Start extinguishing the fire with the available fire fighting equipment.

To extinguish equipment under voltage, use only carbon dioxide and powder fire extinguishers, as well as dry sand or felt mats. In this situation, foam fire or water extinguishers must not be used.

In case of an accident or sudden illness, it is essential to report the incident to the Jury Experts, who will take measures to provide first aid to the injured persons, calling an ambulance, and, if necessary, send the injured person to the nearest medical facility.