

**Terms and conditions**  
**of the technology contest “First element. Air”**  
**for purposes of the National Technology Initiative<sup>1</sup>**

---

<sup>1</sup> This document is the translation of the Russian version of «Terms and conditions of the technology contest “First element. Air” for purposes of the National Technology Initiative», and contains the references to regulatory documents that may be available only in Russian. In case of any queries on these documents, compliance with the requirements or other questions, please contact the organizing committee by email: [challenges@upgreat.one](mailto:challenges@upgreat.one).

## Content

1. General information .....	3
2. Topicality .....	4
3. Terms and conditions.....	5
4. Participants.....	6
5. Procedure .....	7
5.1. Contest timeline and rounds.....	7
5.2. Qualification (remote) round.....	7
5.3. Qualification (attendance-based) round.....	9
5.4. Product Testing (attendance-based).....	10
5.5. Final (attendance-based) round .....	10
6. Contest results .....	11
6.1. Determining the winner and awardees.....	11
6.2. Appeal Committee .....	11
7. Prizes to the winner and awardees .....	12
8. Additional terms .....	13
8.1. Environmental and Safety Regulations .....	13
8.2. Intellectual property.....	13
8.3. Changes in Contest Terms and Conditions .....	13
9. Contest organising and funding.....	13
10. Contest activities .....	14
Annex No. 1 Contest application form.....	15

## 1. General information

1.1. These Terms and Conditions of the technology contest "First element. Air" for purposes of the National Technology Initiative (hereinafter referred to as the "Conditions") determine goals, tasks and procedure of the technology contest "First element. Air" (hereinafter referred to as "Contest").

1.2. The Contest is organized within the implementation of the technology contests arranged by the National Technology Initiative (hereinafter referred to as "NTI") as a supplementary instrument to develop innovation ecosystem in Russia in general and to create innovation products in perspective industries in particular.

1.3. The Contest is held according to the Rules of organizing and conducting of the technology contests within the National Technology Initiative, and the Rules of granting subsidies from the federal budget for organizing and conducting of the technology contests within the National Technology Initiative. These documents are approved by the Decree of the Government of the Russian Federation dated April 3, 2018 No 403 (hereinafter referred to as Decree).

1.4. Contest goal is to overcome the technological barrier in the field of hydrogen fuel cells.

1.5. Main tasks of the Contest:

1.5.1. development of the power unit based on fuel cells using hydrogen as a fuel for small motor vehicles;

1.5.2. building and support of the teams able to overcome technological barriers in the perspective segment of hydrogen energy;

1.5.3. gathering of scientific and technological developments, search for and resolution of the breakthrough scientific and technological problems in the field of hydrogen energy;

1.5.4. increase of attractiveness of private investments in scientific and technological research, developments and production of the advanced products in the field of hydrogen energy.

1.6. The subject of the Contest is a selection of the best solution exceeding significant technological barrier in the field of hydrogen energy based on fuel cells.

1.7. The Contest is organized by Joint Stock Company "Russian Venture Company" (RVC), in cooperation with the Non-commercial Organization Fund for Development of the Center for Elaboration and Commercialization of New Technologies (Skolkovo Foundation) and Autonomous non-commercial organization "Agency for Strategic Initiatives to Promote New Projects" (ASI). RVC is the technology contests operator under the Decree (hereinafter referred to as the "Operator").

1.8. Information about the Contest, list of available documents and materials (or references to them), actual information on terms, place of final events is published on the Contest official website.

1.9. Contest official language is Russian.

1.10. Basic definitions and terms:

1.10.1. **Jury** is a collegial body created in order to ensure scientific, methodological and expert support of the Contest activity, to hold expertise and approve intermediate and final test results of the Participants' developments, decide on the Contest winners and awardees. The technology contest committee approves operating procedure and Panel of Judges in order to implement the National Technology Initiative acting under the order of the Ministry of Science and Higher Education of the Russian Federation dated October 5, 2018. No. Pr-737 (hereinafter referred to as "Contest Committee").

1.10.2. **Applicant** is a Russian or foreign legal entity or group of such entities that submitted an application to participate in the Contest.

1.10.3. **Product, Power energy unit** - power unit based on fuel cells developed by the Participant to solve the Contest technology problem.

1.10.4. **Team** is team of developers, specialists and employees headed by the manager. A team acts on behalf of the Contest Participant at the attendance-based test rounds at the testbed and off it.

1.10.5. **Contest** is a technology contest "First element. Air" that is an open contest of the scientific and technological problem solutions in the field of hydrogen energy

1.10.6. **Contest Terms and conditions, Conditions** - this document. The main document to determine purposes, tasks and procedure of the Contest, and is approved by the Contest Committee.

1.10.7. **Operator** is Joint stock Company "Russian Venture Company" under the Decree of the Government of the Russian Federation dated April 3, 2018 No. 403 assigned with the functions of technology contest operator for the purposes of implementation of the National Technology Initiative and carrying out organizational, technical and information support of technology contests.

1.10.8. **Organising Committee** is a collective deliberative assembly carrying out coordination activity related to preparation and holding of the contest. Organising committee activities and its members are determined by the operating procedure of the Organising committee approved by the Operator.

1.10.9. **Partner** is a legal or private entity providing, upon an agreement with the Operator, financial and/or non-financial support aimed at achievement of the purposes and assignments of the Contest, at creation of the Contest prize fund and/or announcement of the customized nominations within the Contest framework.

1.10.10. **Testbed** is a venue provided by the Operator or Partners to conduct qualification and final Contest rounds.

1.10.11. **Prize** is a monetary Prize approved by the Contest Terms and Conditions and paid to the winner and awardees for account of federal funds.

1.10.12. **Contest website** is an official Contest website containing complete actual information about the Contest <http://en.1element.upgreat.one/>.

1.10.13. **Technical Guideline** is a document determining requirements to the testing procedure, Products and other technical parameters of the Contest. Technical Guideline is approved the Contest Operator.

1.10.14. **Technological problem** is the requirement to technical characteristics that the Product should have and developed by the Contest Participants.

1.10.15. **Contest Participant** is a Russian or foreign legal entity or a group of such entities which application for participation in the Contest the Organising Committee approved.

## 2. Topicality

### 2.1. Market Segment

The Contest focuses on the market segment of power units based on fuel cells using hydrogen as a fuel for small unmanned vehicles (small land, flying and swimming vehicles) that require high power supply capacity, requirements to high capacity and run time of the unit are not critical.

### 2.2. Theme relevance

Now two types of power units are mainly in use in order to ensure power supply for the small-unmanned vehicles of different types, and they are based on electric engines with

power supply from lithium battery, or on internal-combustion engine. Both unit types have a number of advantages and disadvantages that causes limited application of the vehicles based on them. Thus, internal-combustion engine vehicles have quite significant for their size duration of autonomous run time, but are noticeable by the significant noise level, vibrations and thermal wake, moreover they have emission affecting environment that makes the work with precise on-board equipment difficult. Vehicles with electric engines and power supply from the batteries do not have such disadvantages, besides that electric engines are much easier for maintenance and exploitation, but have external limitations for temperature range of use, and the main thing - for continuous run time due to significant growth of weight of lithium-ion polymer batteries in run time of not more than 1.5 hours.

Thus, none of the power units is universal enough to solve a wide range of tasks performed by unmanned vehicles. This fact made leaders of foreign robotics start research projects related to alternative types of power units. Thus, in 2009, several research projects in USA, Israel and Singapore related to creation of power supply systems based on fuel cells moved to active stage. Systems developed in the USA, Israel and Singapore use hydrogen-air polyethylene fuel cells for robotics. Power supply systems in such fuel cells, at the moment, have a number of advantages under the conventional energy sources.

In relation with it, the Contest will encourage Russian producers to create motor vehicles with power units, in particular will spur developments of small unmanned vehicles on fuel cells which will contribute to the position of the Russian producers on both Russian and international markets.

### 3. Terms and conditions

3.1. The Contest involves several rounds:

- 3.1.1. Qualification round (remote).
- 3.1.2. Qualification round (attendance-based).
- 3.1.3. Products testing (attendance-based).
- 3.1.4. Final round (attendance-based).

3.2. Technological barrier in this direction of hydrogen power energy is to overcome the value of specific mass energy capacity of the unit 700 (seven hundred) W\*h/kg considering general requirements to the product set forth in clause 3.4

3.3. Contest Assignment is to create a working power unit of nominal mass power energy capacity of 700 (seven hundred) W\*h/kg Participant's power unit, besides the fuel cells batteries, includes fuel supply system and fuel margin. It is possible to use of batteries as a part of power unit in order to achieve maximum power of the energy unit.

3.4. General requirements to the Product

Total weight of the power unit considering fuel supply system and hydrogen balloon, fuel margin, batteries	<7 kg
Nominal capacity	1.3 kW
Minimum capacity	1.25 kW (not more than 10 seconds)
Maximum capacity	2 kW
Running time in maximum capacity	10 minutes

Output characteristics	Direct current, voltage 36V with maximum deviation of 10%, variable duty (0-2kW)
Fuel	Electrolytic hydrogen of technical mark A according to GOST 3022-80
Hydrogen vessel	High-pressure tank, maximum pressure in the tank - not more than 300 atm.
Oxydizing agent	Atmosphere air
Use of cryotanks with hydrogen	Not allowed
Maximum bought element	Membrane Electrode Assembly
Maximum starting time of the power unit	Not more than 15 minutes
Moisture prevention of the power unit	Rain intensity up to 5mm/h

- Participants may be involved during the Product operation only in case of emergency;

- It is possible to use electrochemical energy sources as a part of the Product.

3.5. The Contest is undertaken by competing of the teams in overcoming the technological barrier.

3.6. Participants shall provide the Products developed at the Contest for expertise and tests set forth by these Conditions and Technical Guideline.

3.7. Use of the third party Products including foreign power units by the Participants that were not created by the Participant is not allowed; control of compliance with this requirement is carried out by the Jury by way of examination of the scientific and production base of the Participant.

3.8. At all test stages, any acoustic, electro-magnetic, laser, optical and other impact on the Product are not allowed except natural impact and interaction with test equipment.

#### **4. Participants**

4.1. Russian and foreign legal entities are eligible for participation in the Contest.

4.2. Associations (multidisciplinary teams and group of companies) including Russian and foreign legal entities are eligible to participate in the Contest.

4.3. The same legal entity cannot be a part of two and more teams that participate in the Contest.

4.4. A participant forms a team for the representation in attendance-based contest rounds

4.5. Private individuals cannot participate in several Teams at the same time.

4.6. One team representing a Participant on the attendance-based rounds can have only one Power energy unit at the Testbed for the entire period of any of the rounds.

4.7. Participants develop the Power energy unit at their own expense, compensation of the costs incurred in this relation is not provided.

4.8. By submitting an application and participating in the Contest, the Participants agree with the Contest terms and conditions that are included in this document, Technical Guideline and other documents on organization and conducting of the Contest, published on the Contest website, and are obliged to follow them.

4.9. Participants have the right to attract sponsors and partners in the process of development and construction of the Products.

4.10. In order to take part in the Contest the Applicant should fill in an electronic form at the Contest website.

4.11. Participation in the Contest is free for the Participants.

4.12. Non-compliance with the requirements of these Conditions or Technical Guideline can be a reason for a disqualification of the Participant from the Contest.

## 5. Procedure

### 5.1. Contest timeline and rounds

Qualification (remote) round	July 1, 2018 – December 25, 2018
Qualification (attendance-based) round	February 20, 2019 – March 20, 2019
Product testing (attendance-based)	April 15-30, 2019
Final (attendance-based) round	May 11- July 25, 2019

### 5.2. Qualification (remote) round

5.2.1. The purpose of the Qualification round is to select the Participants and carry out a preliminary assessment of the capabilities of the proposed solutions for the Technological problem through evaluation of the set of documents and other materials provided by the Participants.

5.2.2. The stage is remote.

5.2.3. In order to participate in the Contest the Applicant should submit an application at the contest website until **November 25, 2018**.

5.2.4. An Applicant should obtain all rights, permissions and consents necessary to submit an application.

5.2.5. When submitting an application the Participant agrees with the requirements of these Conditions and becomes obliged to comply with them.

5.2.6. The application contains the following information:

- name of the Contest the application is submitted for;
- name of the Applicant's team;
- name of the organization the Applicant represents, or a list of legal entities included in the association, if the application is submitted on behalf of a such association;
- short description of the Applicant team (in 5 sentences maximum) with specification of the existing groundwork and main purposes of participation in the Contest;
- Contact information: legal address, physical address, phone, internet website, email;
- contact person to communicate with the Organising Committee: Full name, contact phone number, email.

5.2.7. Application Form is in the Annex No.1 to this document.

5.2.8. Organising Committee shall within 5 business days review the applications for compliance with the following criteria:

- Completeness and reliability of the provided information;
- Clarity.

5.2.9. After the application is reviewed, the Applicant receives the Participant status via a notification to the email specified in the application.

5.2.10. Participant must provide to the Organising Committee supporting documentation **until November 30, 2018**.

5.2.11. Supporting documentation should contain detailed information about Product development submitted to the Contest:

- technological plan (not more than 11 pages) should contain general description of the Product with disclosure of the information about country of origin of the Product, materials and technologies and its potential to solve the Technological problem;
- expected Product capacity;
- biography of the Participant team members (not more than 2 pages): Full name; role in the team; description of functions, tasks, works performed by every team member at the Contest; key experience relevant to Contest topic; education (University, speciality, etc.), science degree, title.
- list of expected financing sources, sponsors, partners (not more than 2 pages);

5.2.12. Content of the supporting documentation is confidential.

5.2.13. Content of the supporting documentation can include additional materials, for example tables, photos, number values and videos. However, all necessary information should be included in the main text of the supporting documentation.

5.2.14. The participant is completely responsible for reliability of information contained in the supporting documentation.

5.2.15. It is recommended that the participants comply with the following principles when preparing the supporting documentation:

- Be clear: it will be used to prove feasibility of the technical plan of the Participant;
- Be brief: information is logic and concise, information relevance is evaluated, not its volume;
- Be convincing: information leads to sound and convincing conclusions of its importance in the field of solution of the Contest Technological problem.

5.2.16. The Participant can make any changes to the supporting documentation until the submission deadline.

5.2.17. Supporting documentation is submitted via email [air@upgreat.one](mailto:air@upgreat.one).

5.2.18. Organising Committee reviews supporting documentation for compliance with the formal requirements including comprehensiveness, completeness and relevance to the Contest Terms and conditions during 5 business days.

5.2.19. Supporting documentation recognized as non-complying with the formal criteria set forth by this document is declined and is not considered any longer, the Organising Committee notifies the Participant about the disqualification. The Participant has the right to submit another application and supporting documentation that is not equal to the previous one not later than the end date of Qualification round.

5.2.20. Supporting documentation recognized as complying with the Contest requirements is forwarded to the Jury.

5.2.21. The Jury evaluates supporting documentation and determines:

- compliance of the supporting documentation with the requirements to the Product;
- feasibility of creation of the declared Product.

5.2.22. Jury, based on the supporting documentation of the Participant by voting makes decision on admission to the next Contest round.

5.2.23. Information provided by the Participant should not break any third party rights including intellectual property rights, right of image. If the Participant needs to use intellectual property of any third party, the Participant must enter into a contract with the copyright holder



of granting the right to use results of the intellectual activity and equivalent means of individualization of legal entities, products, works, and services. When Testing the Participant should be completely responsible for break of the specified intellectual rights to the copyright holders or other third parties.

5.2.24. Jury reserves the right to request through the Organising Committee additional documents and (or) information from the Participant during any Contest round.

5.2.25. A list of Participants that passed through Qualification round is published at the Contest website within 5 business days after Jury makes the decision.

5.2.26. Organising Committee reserves the right to extend period during which applications and supporting documentation can be submitted.

### 5.3. **Qualification (attendance-based) round**

5.3.1. Purpose of the Qualification round is to select Contest participants to take part in Final round based on the attendance-based evaluation of the Participant's Products by passing through qualification tasks.

5.3.2. Attendance-based examination of the Product and examination of the scientific and production base of the Participant is carried out at the scientific and production base of the Participant.

5.3.3. Schedule of examination and evaluation of scientific and production base of the Participant are set up upon agreement with the Participant within Contest time frames.

5.3.4. Requirements to the Product to pass through the Qualification round:

- Availability of its own production of fuel cells and power units based on them (Maximum bought element - Membrane Electrode Assembly)
- Specific energy capacity of the unit is not less than 350 W\*h/kg
- Product weight - up to 10 kg
- Starting time not more than 15 minutes
- Requirements to hydrogen source as provided in General requirements to the Product.

5.3.5. Within the agreed terms, Jury representative carries out attendance-based evaluation of the scientific and production base of the Participant and expertise of the Product according to the Requirements to the Product in order to pass through the Qualification round and General requirements to the Product.

5.3.6. The location of the examination is agreed separately between the Participants and the Organising Committee and can take place both at the Participant's site and at the site provided by the Organising Committee. According to the results of expertise of every participant, the expertise protocol is prepared and signed by the Jury representative who carried out examination.

5.3.7. Measuring parameters to pass the qualification stage:

– Contest participants launch start procedure of the power unit from the storage state (temperature of all modules from +10°C to +30°C, fuel supply is switched off, consumers are turned off), inform the Contest Jury on it and then move it to operating condition in which all further parameters will be measured.

– Electronic loading device that creates loading up to 2 kW and scales provided by the Organising Committee are used for measuring of the specific energy capacity. The scales can be replaced with a similar device of the Participant subject to the presentation of the document on the register of measuring equipment and the recent inspection act. Connection module for loading device - nylon connector XT60 or XT90.

– Participant's product is weighted, then the Participant should connect the Product to the loading device, turn it on, notify Jury representative about it, after that, measurement of electric power generated by the Product till consumption of fuel reserve is carried out. Using Product weight value, specific power capacity of the Product is calculated.

5.3.8. In case the expertise that determines Product parameters at the qualification stage revealed incompliance of the Product with the requirements or Product nonoperation, additional expertise is possible, upon agreement with the Jury in order to access the Product to testing and final examination, if the Participant provides working Product not later than the end of qualification stage.

5.3.9. A list of Participants that passed through qualification stage is published at the Contest website within 5 business days after Jury makes the decision.

#### 5.4. **Product Testing (attendance-based)**

5.4.1. Testing stage task is to provide to the Participants an opportunity to test the Product in work with the standard equipment that will be used at the final tests.

5.4.2. There is no selection of the Participants during the testing stage.

5.4.3. The Testbed is located in Moscow.

5.4.4. Participants that passed through qualification stage are eligible for the testing stage.

5.4.5. Testing is carried out at the venue and with the use of equipment provided by the Operator.

5.4.6. The participant passes through Product technical admission, installs it on the standard equipment, testing and de-unit.

5.4.7. Technical Guideline for power units location on the testing equipment and testing procedure are set forth in the Technical task not later than 3 months prior to the stage start.

5.4.8. Testing schedule is determined by the Organising Committee and announced to all Participants not later than April 1, 2019.

#### 5.5. **Final (attendance-based) round**

5.5.1. Purpose of the final round is to determine the winner and awardees of the Contest.

5.5.2. Final round consists of:

5.4.2.1. technical admission;

5.4.2.2. final tests at the Testbed:

- 1<sup>st</sup> stage - equipment bench tests;
- 2<sup>nd</sup> stage - Product tests on the standard equipment (multi-copter platforms) in simultaneous flight mode.

5.5.3. Technical admission is performed by the Jury members that examines the Product for compliance with the requirements:

5.4.2.3. weight not more than 7 kg;

5.4.2.4. Direct current, voltage 36V with maximum deviation of 10%, variable duty (0-2kW);

5.4.2.5. Hydrogen of technical mark A according to GOST 3022-80.

5.5.4. At the first stage of final tests, the power unit is connected to the electronic stand that creates constant load of 1.3 kW with five on-peak loads of 2 kW 2 minutes each. Product continuous run time and power are measured.

5.5.5. Participants whose Products, based on the results of the first stage of final tests, address to the following requirements are admitted to the second stage of final tests:

- Specific energy capacity of the unit is not less than 550 W\*h/kg;
- Product weight - up to 7 kg;
- Starting time not more than 15 minutes;
- Requirements to the hydrogen source set forth in clause 3.4.

5.5.6. At the second stage of final test, Products are weighted, after that they are installed on the standard multi-copter platform, that, being in continuous move, flies in autonomous mode according to the preliminary determined route during not less than three hours. Time of continuous flight of multi-copter platform is measured.

5.5.7. Complete final tests procedure, evaluation procedure, technical requirements to the Product is determined by the Technical Guideline and published on the contest Website not later than 6 (six) months prior to tests.

5.5.8. All contest Participants are provided with equal access to the equipment, measurement devices and parameters measure results of the other Participants units. Carrying out of the contests and Product work parameters measurement should be open for all interested persons including mass media and industry experts.

5.5.9. Awardees and winners are determined based on the results of tests carried out at second stage of final tests.

5.5.10. Winners' and awardees' products can be subject to expertise for the goal of confirmation of their compliance with the requirements as provided in clauses 3.4 and 3.7.

5.5.11. Test results are forwarded to the Jury to execute a protocol of the Contest winners and awardees.

## **6. Contest results**

### **6.1. Determining the winner and awardees**

6.1.1. Based on the results of the tests at the final stage, the Jury determines values of energy density of the Participants' power units.

6.1.2. Contest Winner is a Participant whose development completely ensures overcoming of the technological barrier and demonstrates the highest value of power density in the performed tests.

6.1.3. Contest awardees are the Participants whose developments completely ensure overcoming of the technological barrier and demonstrate the second and third value of power density in the performed tests.

6.1.4. Based on the test results, the Jury approves a protocol of the Contest winners and awardees.

6.1.5. After the protocol on the winners and awardees a list of winners and awardees as well as test results are published at the Contest website.

### **6.2. Appeal Committee**

6.2.1. The Appeal Committee is created for the purpose of observance of the Participants rights and compliance with the common requirements while evaluating the Products and for the

purpose of disputes resolution; the Chairman in accordance with the Appeal Committee Provision approved by the Operator heads the Appeal Committee.

6.2.2. Based on the results of every Contest round the Participant has the right to submit written official objection of violation of the set forth Contest procedure and (or) disagreement with the results.

6.2.3. The Participant team leader submits the objection in writing not later than 24 hours after round results are published and the objection is submitted against such results.

6.2.4. Appeal Committee shall accept and consider Participants' objections, makes final decision based on the objection consideration results, notifies a Participant that submitted the objection of the made decision..

6.2.5. Time for the consideration of the participant objection is 10 business days. In case if more time is required to consider the Participant's objection and to make a decision, Organising Committee notifies a Participant of extension of the time for consideration of the objection upon request made by the Appeal Committee.

6.2.6. Decision of the Appeal Committee is final and could not be revised.

6.2.7. Decision of the Appeal Committee is documented by the report signed by all Appeal Committee members considering the objection.

6.2.8. Decision of the Appeal Committee is documented in a report and announced to the Participant and, if necessary, is passed to the Jury for its approval and necessary changes to the Jury reports.

## **7. Prizes to the winner and awardees**

7.1. Prizes are paid to the Winner and Awardees only in case the technological barrier is overcome. Overcoming of the technological barrier and solution of the Technological problem is confirmed by solving of the Technological problem at the final tests. In case none of the participants is able to overcome technological barrier and solve Technological problem, the prize is not paid to any of the Participants.

7.2. The Prize is paid to the Winner and Awardees on the Jury report of the winners and awardees by the Fund for support to the National Technology Initiative

7.3. In case the recipient of the money award is a group of legal entities, money award is divided between them in equal parts, if the agreement between such entities does not state otherwise.

7.4. The Prize paid for the account of the federal budget can be paid only to the Russian entities. In case the winner or one of the awardees or one of the legal entities included in the winner or awardee team is a foreign entity that is not tax resident of the Russian Federation, payment of the prize or its share for the account of the federal budget to such participant is not possible, the right to receive the prize is transferred to the other participants.

7.5. Contest winner is paid Prize in the amount of 45 000 000 (Forty five million) rubles.

7.6. Contest awardees are paid Prize in the amount:

7.6.1. 2 place — 10 000 000 (Ten million) rubles.

7.6.2. 3 place — 5 000 000 (Five million) rubles.

7.7. Operator together with the Partners (Sponsors) of the Contest can give the other prizes not set forth in this document.

## **8. Additional terms**

### **8.1. Environmental and Safety Regulations**

8.1.1. Participants' Products should comply with the environmental standards and safety requirements valid in the Russian Federation.

8.1.2. At the Testbed, any acoustic, electro-magnetic, laser, optical and other radiation emissions should comply with the standards applicable in the Russian Federation.

8.1.3. Contest Committee announces to the Participants safety and environment protection regulations that should be read by all Participant team members and complied with.

8.1.4. The Jury reserves the right to disqualify the Participant in case of break of the requirements as provided in this section.

### **8.2. Intellectual property**

8.2.1. Participants reserve the right to their intellectual property and copyright objects related to the Product.

8.2.2. Tests within the Final round are open and imply presence of the audience and Mass Media representatives at the Testbed.

8.2.3. No actions of the Organising Committee and the Jury can be aimed at disclosure and distribution of the information about the technologies that can be patented by the Participants under the applicable legislation without the participant's consent.

8.2.4. Information about the Product, partners and sponsors of the participant transferred to the Operator by the Participant as well as information received during attendance-based evaluation of the Product can be distributed only in part related to organization and safety of the contest, or upon Participant's consent.

This clause does not cover information that can be received by the audience and Mass Media representatives during the Final round.

### **8.3. Changes in Contest Terms and Conditions**

8.3.1. Upon decision of the Contest Committee, the Contest can be cancelled or its terms and conditions can be changed, in case of the circumstances preventing Contest and (or) summing up the Contest and in case:

- less than two applications from the Participants are received or less than two Participants remain at any stage;
- technological barrier determined by the Contest Terms and Conditions is overcome by the persons that do not participate in the Contest and its solution is publicly announced (publicly demonstrated) before the Contest results are known;
- during the Contest, it is determined that solution of the Technology problem is impossible to get or additional time is required to get such solution that considerably exceeds Contest terms;
- force majeure circumstances prevent holding of the Contest.

8.3.2. any changes made to this clause are published at the Contest website.

## **9. Contest organising and funding**

9.1. Organising and conducting of the Contest is provided by the Operator for the account of the federal budget, own Operator's and Partners' funds (if applicable)..

9.2. Amount of the federal budget subsidy provide to the Operator for financial provision of Operator's expenses and holding of the Contest is 65 000 000 (Sixty five million) roubles.

9.3. Amount of the federal budget subsidy provide to the Operator for financial provision of Operator's expenses for the prize pool of the contest is 60 000 000 (Sixty million) roubles.

## **10. Contest activities**

10.1. During the Contest, the Operator holds the following activities in 2018:

10.1.1. Official launch of the Contest.

10.1.2. Qualification round

10.2. During the Contest, the Operator holds the following activities in 2019:

10.2.1. Qualification round including preparations to holding it.

10.2.2. Final round including preparations to holding it.

10.2.3. Summing up the Contest and payment of the Prizes (in case of the winners).

10.3. For the purpose of optimization of subsidy funds expenditure, events specified in clauses 10.1. and 10.2. and separate expenses of the Operator related to their organization can be combined with the events and expenses related to the other technology contests organized by the Operator.

Annex No. 1 Contest application form  
to Contest Terms and Conditions  
of the technology contest «First element. Air»  
for the purpose of the National Technology Initiative

**Form of the Application for participation in the Contest\***

Name of the Contest the application is submitted for	First element. Air
Name of the Applicant's team	
Name of the organization the Applicant represents**	
Short description of the Applicant team (in 5 sentences maximum) with specification of the existing groundwork and main purposes of participation in the Contest	
Contact information of the legal entity: legal address, physical address, phone, internet website, email of the official representative of the legal entity**	
Contact person to communicate with the Organising Committee: full name, contact phone number, email.	

\*Application is filled out as the web form at the contest website; the format may differ from the one provided.

\*\*In case the application is submitted by the association of legal entities, information about all persons included in the association should be provided.