

Regulations on the Contest of Innovative Ideas

Kyiv, 2015

1. Main principles

1.1. The Contest of innovative ideas is organized within the project "UKRAINE – Ukraine Replication, Awareness and INnovation based on EGNSS" which is implemented under Horizon 2020-Galileo-3-2014 and will facilitate the development of applications for satellite navigation systems through international collaboration and popularization of EGNSS in Ukraine, and is a part of All-Ukrainian Festival of Innovative Projects "Sikorsky Challenge 2015".

(...)

1.3. The aim of the Contest is to find and introduce the best innovative ideas being on the boarder of science, technology, innovations, and entrepreneurship in the field of satellite navigation systems; support Ukrainian youth, scientific and business society; stimulate innovative entrepreneurship and commercialization of scientific research results for the sake of innovative development of economy and society of Ukraine, its integration into European research area.

(...)

1.4. Students, postgraduates, candidates, scientists and staff of higher education institutions and research organizations, creative teams of scientists and entrepreneurs, whose activity is connected with satellite navigation systems, and other natural persons can take part in the Contest.

1.5. These Regulations are presented for acquaintance to all interested persons aspiring to participate in the Contest. These Regulations are published on the Contest's web-site. The participants are entitled to demand from Organizing Committee explanations of the paragraphs of these Regulations.

2. Management of the Contest

2.1. The overall management of the Contest is carried out by the Organizing Committee.

2.2. Organizational support of the Contest is provided by the Science Park "Kyivska Polytechnika".

2.3. To organize and hold the Contest it is planned to create the Expert Committee. It will consist of leading scientific and educational experts, representatives of science intensive enterprises, institutions and organizations, entrepreneurs, potential investors and other experts. The list of the Expert Committee is approved by the Organizing Committee. The Head of the Expert Committee is appointed by the Organizing Committee.

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3. Rights, obligations and responsibility of participants. Terms of participation. Project requirements.

(...)

3.5. Application form for the Contest should be filled in English and Ukrainian. Submitted projects should match the following topics:

3.5.1. Study of potential possibilities for the use of satellite navigation systems in various sectors of economic activity in Ukraine. The focus of the Contest is as follows:

- opportunities for development and popularization of EGNSS applications (European Global Navigation Satellite Systems) in Ukraine, possibilities of expanding EGNOS services (European Geostationary Navigation Overlay Service) to Ukraine, and interoperability with other GNSS systems with SBAS and without them in those areas where they are traditionally used: aviation, transportation, mapping, agriculture, telecommunications, TV and radio broadcasting etc.;
- possible new applications with the use of EGNSS, EGNOS services systems working with GPS, Galileo and GLONASS with SBAS systems and without them in those areas where they have not been intended to be used;
- carrying out of research to identify particular entities that could be financially interested in the effect from the use of satellite navigation

systems, and clear formulation of specific tasks to be assigned to the satellite navigation systems.

3.5.2. Analysis of efficiency from the use of EGNSS for solution of different types of navigation tasks and extension of EGNOS working with different GNSS systems in Ukraine. The background for such research is the fact that Ukraine is on the border of operation of EGNOS and SDCM oriented for Russian satellite navigation system GLONASS, that is why accuracy for determination of coordinates is directly dependent on geographic location.

3.5.3. Research aimed at addressing the problems of integration of satellite navigation systems, EGNSS and SBAS, and various measuring and communication systems to solve the applied problems. This research will assess final technical parameters of resulting device, and the possibility to implement the project based on existing element base.

3.5.4. Research is aimed at improving receivers of satellite navigation systems EGNSS with SBAS (or without). Directions of improvement: increased accuracy for determination of coordinates; reduced energy consumption of receiver; reduced time of initial synchronization; reduced cost of the receiver.

The study may relate to both improvement of signal processing algorithms, and feasibility of receivers at different element base.

(...)

3.7. Proposal (idea, research, product or service), submitted to the Contest will be considered by the Expert Committee according to the following criteria:

3.7.1. Innovative character of the idea or research;

3.7.2. Significance and market demand for developed proposal;

3.7.3. Originality of achieved results;

3.7.4. Existence of direct competitors or similar ideas on the market;

3.7.5. Scientific and technical approach, degree of complexity of tasks that were solved during research;

3.7.6. Scope of the projects, market segments, location the project is intended for;

3.7.7. Team, experience of its members and joint work on the proposal;

3.7.8. Commercial potential of the proposal, its development into business;

3.7.9. Existence of prototypes or design documentation for prototypes;

3.7.10. Quality and level of presentation of the proposal.

4. Procedure for submission and evaluation of projects.

4.1. The Contest consists of three stages.

4.2. **Stage 1.** Submission of proposal

From **15/04/2015** to **01/08/2015** participants of the Contest submit their applications to the Expert Committee by completing the corresponding form on the website www.project-ukraine.eu.

4.2.1. The applicant can attach to the proposal additional documents, which explain or illustrate the essence of the idea (business plan, screenshots, demo-version of the developed program, budget for the project, description of the current stage of implementation of the idea or project, and the results (if any), audio and videos, etc.

4.2.2. Applications should be submitted to the Organizing Committee no later than at **23:59 on August 1, 2015**. Applications received after the deadline will not be considered and will not take part in the Contest, except for special cases managed by the Organizing Committee on their own choice, without any explanations to other applicants.

4.3. Stage 2. Pre-selection

4.3.1. Applications which meet the requirements of the Contest are submitted to the Expert Committee during the period from **01/08/2015** to **31/08/2015**. Expert Committee evaluates the proposal in accordance with the above-mentioned criteria. Each proposal is evaluated by at least 3 members of the Expert Committee. For all proposals evaluation criteria are the same and correspond to marks from 0 to 10, where 0 – minimum mark, and 10 – maximum mark. **10 proposals** with maximum number of marks automatically get to the final part of the Contest. In case when 2 or more proposals get equal number of marks and therewith the total number of proposals exceeds 10, by the decision of the Expert Committee the number of finalists can be increased to 15.

4.3.2. Based on the results of evaluation, the Expert Committee determines the list of Finalists, which is passed to the Organizing Committee no later than **September 6, 2015**.

4.3.3. Once the required number of Finalists is selected, the Organizing Committee publishes the list of Finalists which is uploaded on the website of the Contest and on Partners' web-pages in social networks by responsible persons on **September 7, 2015**. This information is disseminated through e-mails to all finalists.

4.3.4. Each finalist during 10 days gets an e-mail with the invitation to participate in the final part of the Contest and the template of PowerPoint presentation.

4.4. Stage 3. Final

4.4. The final event will be held on **16/09/2015** at the Centre of Innovation Entrepreneurship located in Kyiv, 37, Peremogy ave., bldg. 6, at the premises of the National Technical University of Ukraine "Kyiv Polytechnic Institute" with the assistance of the Science Park "Kyivska Polytechnika" and Business Incubator "Sikorsky Challenge".

4.5. Each selected project should be presented using the Power Point template. Evaluation of presentation can be implemented without physical presence of the applicant, only based on provided documents. If the finalist is present at the Final event, presentation of the project should not exceed 7 minutes.

(...)

4.8. The winners of the Contest are considered those finalists who get higher number of marks according to criteria indicated in the evaluation forms. In case of disputable issue concerning the equal number of marks, and if it is impossible to determine 3 winners, the members of the International Jury initiate a meeting (which can be physical, through on-line services or combining both) after presentation of all projects, and they make additional analysis of evaluation forms. The results are included into the minutes of the meeting of the International Jury, which are signed by its members. Electronic signature of minutes by any member of the International Jury is considered valid.

(...)

4.10. The results of the Contest are announced by the Chairman of the International Jury on the day of the final event and published on the web-site of the Contest and on Partners' web-pages in social networks.

4.11. All Finalists of the Contest are awarded with certificates of the Contest.

4.12. The winners of the Contest get valuable prizes that will be announced 5 days before the final event.

4.13. Any project proposal may be additionally awarded with the grants or prizes from partner organizations.

4.14. On **October 14, 2015** at the VI All-Ukrainian Festival "Sikorsky Challenge 2015" taking place in the Centre of Innovative Entrepreneurship of NTUU "KPI" the winners of the Contest and finalists will be able to present their projects to investors and business-angels with the opportunity to get support from Business-incubator. Organizing Committee can at its own discretion invite any number of finalists apart from winners to take part in the Festival.

(...)

5. Terms of use of the information

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5.3. Protection of confidential information.

5.3.1. Information indicated in the project proposals including information about sex, nationality and address of permanent residence will be communicated to the members of the Expert Committee evaluating the applications. As far as finalists and winners are concerned, their personal information in limited volume (e.g. name and nationality) can be published in advertising materials. Applicants will be informed about such cases beforehand. No information will be passed to third parties.

5.3.2. The following terms and conditions are applied to the whole audio-, video- and text-content provided by the applicants. The Organizing Committee shall prevent any breach of intellectual property rights and disqualifies any materials if their content will turn to violate the rights of other person.

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