

Clarification Note #2

Prize contest: GSA MyGalileoApp Contest 2019

Question #3: Are ESA young graduate trainee eligible to participate or are they considered as ESA employee?

Answer: Due to the status of ESA Young Graduate, they are considered as employee of ESA and are not eligible to participate to MyGalileoApp contest.

Question #4: Is there a way to verify on IOS if phone uses Galileo?

Answer: Participants can check the website <http://www.useGalileo.eu> for a list of Galileo-compatible smartphones including Apple models

Question #5: Is there a way on IOS to see if dual frequency is being used?

Answer: Until now, there are no Apple smartphones (IOS) supporting dual frequency GNSS. Regarding the apps participating in the competition, the use of dual frequency will be tested in Android environment.

Question #6: Can the iOS and Android app be different (i.e. development of asymmetric app where some functionalities are available only for specific platform)?

Answer: The IOS and Android apps should as much as possible be the same and, in any case, in line with the description provided in the application form. However, asymmetric functionalities will be authorised if justified by the differences between iOS and Android.

Question #7: Galileo coverage is global or are there limitations?

Answer: Galileo, like GPS, is a Global Navigation Satellite Systems which provides global coverage.

Question #8: How many project proposals can we submit?

Answer: There are no limitations regarding the number of project submitted by one team. Teams submitting more than one project will have to create one account for each project, clearly identifying that this is another idea submitted by the same team. For the avoidance of doubt, it is clarified that only one project per team can be selected to enter Phase 1 of the Prize procedure, depending on the evaluation according to the published award criteria..

Question #9: What about projects which have already started, but have not been developed yet?

Answer: Projects under development can participate to the competition with the exception of those which are currently funded by other EU funds. Participants are reminded that the evaluation board will evaluate how innovative is the proposed application with respect to the current market offer.

Question #10: Can the participants include external links in their application form. For example there is a section in which the participants have to showcase concept design of the app and to answer or is it possible to paste external link to invisionnapp or keypoint product presentation?

Answer: The evaluation board will consider only what is included in the application form and external links will not be considered. Within this 10-page document, participants can include text, images, diagrams, tables, etc. to better describe their ideas.

Question #11: Are the teams obliged to be bound with a business plan? For example if we are in top 3 we have commitment that the app will have X number of active users in the first X months?

Answer: A business plan can be included in the application form but it is not mandatory. However, the selection of the teams will also be based on the plan for the future of the application (both in terms of technical support and market potential).

Question #12: Is there any award if you pass the Phase 1 (M1) and Phase 2 (M2)?

Answer: Teams participating in the development phases will be promoted in GSA's official channels and will receive mentoring support from industry experts.

Question #13: Is it possible to include, in addition to the related software application to be developed on the smartphone for the competition, any additional tailored hardware needed for the final solution?

Answer: Yes, it is possible. The only limitation is that a relevant Galileo fix should be computed in the smartphone (not only in the additional hardware). After the development phases, the additional hardware should also be provided to the evaluation board to test the app.

Question #14: Will the 2nd webinar be the same as today?

Answer: The second webinar will include the information provided in the first one. However, the content can be extended depending on the questions and feedback received from participants.

Question #15: Is the VAT number in the form mandatory? Does it refer to constitution of a legal person?

Answer: VAT number is mandatory only in case of participants representing a legal entity. In case of natural persons, this shall be left blank.

Question #16: What if the same team is registering with 2 different email addresses/accounts in order to present 2 ideas? Is it possible? Or the same team but with 2 different coordinators?

Answer: See answer to question 8.

Question #17: If the app will heavily rely on geolocalisation and augmented reality scans/images, how would it be checked if it works correctly (e.g. if the app will work ONLY in one city).

Answer: App for regional use only are acceptable and will be tested in the intended region.

Question #18: Is it expected from the App to provide positioning products to certain applications or also things related to signal quality checks, disturbances, interferences etc?

Answer: There is no limitation in terms of app functionalities. Only the award criteria will be taken into account to evaluate the app.

Question #19: Are there special APIs for Galileo or will the app use the standard iOS and Android APIs? is the Galileo system available on other platforms (raspberry pi, arduino)?

Answer: Galileo is used in both IOS and Android (refer to the website www.usegalileo.eu to check the devices using Galileo). Moreover, the location API of Android provides positioning information from Galileo and from all the other constellations, such as GPS.

Other platforms like Raspbery pi or Arduino when connected to an external GNSS chipset are able process Galileo positioning information.

Question #20: If one person has the idea for the application, can he/she still participate in the competition if he/she hire an outside company to program the application?

Answer: The teams are free to choose their internal arrangements, but any person involved in the project shall be registered as a team member.

Question #21: If one person is not a developer but has an idea, can he/she participate?

Answer: Participation is open to all, however the teams will be selected based on the published award criteria which include also the actual development of the application.

Question #22: Is it possible for start up to participate as a team?

Answer: The competition is open also to start-ups. Teams can represent a legal entity as long as it is based in an EU country.

Question #23: Is it necessary to prioritize Galileo data in determining position in any way, shape or form?

Answer: The apps will be evaluated from the point of view of Galileo-relevance. To exploit the full potential of Galileo, applications may have to prioritise its use. An API will be provided during development phases to facilitate the use of GNSS raw measurements

Question #24: Must the app be available for both Android and iOS or can it be just for one platform?

Answer: The app shall operate in both Android and IOS environments. As GNSS raw measurements are available only for Android, teams are requested to develop and test their apps in Android and adapt the code to IOS once finalized

Question #25: When does the port of the code to iOS have to be done, within M2 development phase or just before the contest deadline?

Answer: Teams shall submit their final apps to the evaluation board before the M2 deadline. However, the upload process to Android play and App store can be done in a second step. In any case the apps shall be available in both platforms before the Finals.

Question #26: Does it have to be completely new app, or can be an existing one, that will have the use of Galileo implemented?

Answer: Any app can be proposed (provided it was not already developed using EU funds). However, the candidates are recalled the applicable award criteria, in particular regarding innovation.

Question #27: Is urban environments a preferential use case for GSA?

Answer: No, there are no preferential use cases for GSA beyond the 11 innovation areas defined in the Terms of Reference of the competition

Question #28: Is it allowed for project coordinators to be international students in European institutions, like PhD students.

Answer: International students are also welcome. The only limitation regarding nationality is for the team coordinator who has to be an EU citizen.

Question #29: What will be the publicity done on the 30 (and then 10) selected projects? In other words, will good ideas be exposed to Intellectual Property (IP) copy?



Answer: As mentioned in the terms of reference of the contest, the creators will retain full ownership of their development. Applicants are invited to specify possible restrictions to publicity which are deemed necessary for the protection of their intellectual property rights, on the understanding that compliance with the general terms and conditions for prizes shall be ensured.

Question #30: Should all teams have at least one experimented programmer? Or is the level of technical assistance enough if the members have a technical background?

Answer: Teams shall be able to develop their ideas in the time schedule defined in the Terms of Reference. Online mentoring sessions of the technical advisory team does not aim to program the applications instead of the team members.

Question #31: What is the example scope of a project considered as BETA between phase M1 and M2 / What is expected the BETA to include as functionalities/ progress?

Answer: The Beta versions must enable the evaluation of the graphical design of the app and implement at least 50% of the functionalities specified in the application form.

Question #32: Could you explain the criteria for selection?

Answer: The idea will be evaluated in terms of: innovation, market potential, Galileo relevance and technical feasibility. A detailed description of each criteria can be found in the Terms of Reference document.

Question #33: In case an outside company is doing the programming of the app, how should they be connected to the technical support for the Galileo services offered by the GSA?

Answer: The technical support to be provided during development phases M1 and M2 consists of a dedicated API to facilitate the use of GNSS raw measurements and online mentoring sessions with the technical advisory team. The technical support will be given to the team in general, it will be for the team coordinator to arrange how it is organised on a practical way.

Question #34: Will there be a forum where individuals (abroad) can initiate interviews to join a project?

Answer: A slack channel has been set-up to allow participants to get in contact and to find potential partners. Link to [Slack](#)

Question #35: Is the 50cm a technological or other limitation?

Answer: Today the technological accuracy limit is around 50cm leveraging on dual-frequency receivers and on positioning techniques enabled by the use of raw measurements.

Question #36: can the team integrate third party services in the app for example Amazon Alexa API/Google Assistant/Google Nest etc.

Answer: Yes, it is possible to integrate third party services in the app, provided the participant respects all applicable third party intellectual property rights.

Question #37: Does the app technology matter? Can the team do a hybrid app instead of native?

Answer: The development can be done using native or hybrid technologies. At the end of the competition all teams have to submit the final app and the code for its evaluation.

Question #38: Which level of service (precision) will the API allow us to achieve?

Answer: Depending on the scenario and the advanced techniques decimetre or centimetre level could be achieved.

Question #39: What does the GSA expect as result, an app or also the code of it?

Answer: At the end of the competition all teams have to submit the final app and the code for its evaluation. The code is needed to verify the use of Galileo. Applicants will retain full ownership of the intellectual property rights on the software developed.

Question #40: Is it acceptable if the app relies on user generated content, which would mean that on testing phase it would be relatively empty?

Answer: During the testing phases generated data can be used in order to develop the app. However at final stage the app shall work in a nominal conditions.

Question #41: What is the programming language to be used for the app?

Answer: There are no limitations on the programming language. At the end of the competition all teams have to submit the final app and the code for its evaluation.

Question #42: What if 2 different teams have the same idea? What will be the criteria to differ between them?

Answer: Evaluation will be only based on the elements put forward by the teams answering the award criteria.

Question #43: If one or more of the team members gains Estonian E-Residency and the legal entity incorporates in Estonia, an EU member state, will this satisfy the eligibility criteria?

Answer: If the legal entity is properly incorporated in Estonia following the e-residency procedure, this satisfies the eligibility criteria regarding the establishment of legal entities. For the avoidance of doubt, it is reminded that the coordinator shall be an EU national, and Estonian e-residency does not fulfil this eligibility requirement.

Question #44: is it possible for 12 years old American students to participate?

Answer: No, all participants must be at least 18 years old.

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