

“GSA MyGalileoApp Contest 2019”

Terms of Reference

1 THE BACKGROUND

Following Galileo initial service declaration in 2016 and the increasing availability of Galileo-enabled mobile devices in the market, the European GNSS Agency (GSA) market activities are focusing on Galileo “Good Use” by increasing the awareness and stimulating its use by the general public. In this context the term “Good use” refers to the users being aware and able to fully exploit the Galileo added value which is not always capitalized by existing applications, despite hardware compatibility. Through this contest GSA aims at encouraging the development of mobile applications based on Galileo GNSS positioning, offering high accuracy, in order to speed up the user adoption.

It is expected that the Prize will stimulate application developers to learn about Galileo potential and create new tools that could be exploited also in future projects. From the point of view of final users, the Prize will allow to have in the market innovative applications to showcase Galileo performance and benefits increasing the general awareness.

2 THE CONTEST

THE CHALLENGE

The aim of the contest is to design, develop, test and commercially launch a mobile application able to provide a position and/or time fix by using Galileo-enabled smartphone. The app should operate in both Android and IOS environments.

Each participating team shall propose an application targeting one of the following innovation areas:

- **Smart navigation and infotainment:** smartphone GNSS apps in this area contribute to the reduction of congestion while implementing faster, greener and more efficient transportation options, providing real-time data on time schedules, traffic conditions, optimised routes, social events and touristic data.
- **Augmented reality and games:** the integration of positioning with virtual information allows the development of pinpoint services, which can be used for gaming, commerce, archaeology, construction and education.
- **Geo marketing and advertising:** consumer preferences are combined with positioning data to provide exceptionally personalised offers to potential customers
- **Fitness, sport and mHealth:** fitness and mHealth applications rely on GNSS –in addition to other sensors- to monitor users’ physical performances.
- **Enterprise applications:** GNSS-based tracking solutions contribute to improving productivity and safety of workers through mobile workforce management solutions.

- **Social networking:** the location of people is a relevant information around which develop specific services in social networks.
- **Mapping, GIS and Agriculture:** the enhanced processing power of modern smartphones, their portability and the location capabilities make them very suitable to develop Geographic Information System applications, to geotag photos and to create crowdsourced maps.
- **Automated mobility (all transport modes):** GNSS supports safe implementation of automated mobility in cooperative/connected cars, short-sea shipping and inland waterways vessels, goods transportation, air taxis and light rail systems in urban public transport.
- **Aviation:** pilot information applications can use GNSS position to deliver custom weather reports, interactive maps, logging flight data or waypoints, tracking the flight for professional, leisure or training purposes.
- **Drones:** in addition to flight control applications, mobile apps for drones can use GNSS to plan, record and track the flight, provide fly/no-fly area maps and support geo awareness, weather reporting in the flight area, and facilitate communication with other drone pilots and drone integration in the airspace.
- **Finance:** GNSS data can be used for time stamping functions to log and validate events including mobile payments, bank transactions and stock exchanges trades.

The application must demonstrate that increased accuracy/availability provided by Galileo within multi-constellation and preferably multi-frequency solution is providing value in the application. Each application will have to check - when firstly used - if the phone is using Galileo and display such information for the user. This check can be done either by the use of GNSS raw measurements (Android 8.0 or later versions) or by cross-checking the list of smartphones using Galileo available on www.usegalileo.eu. In case the phone is not Galileo enabled, the user shall be made aware by the application that the performances may be degraded.

In order to ensure efficient communication of the developments made during the contest, the finalists commit to make the software applications widely available (within the Google Play/Apple Store platforms) and to support them for at least 18 months, in particular by ensuring: scalability of the app to the growing number of users, compatibility with new versions of Android/iOS and smooth functioning via timely solving of potential bugs.

ELIGIBILITY CRITERIA

Participation in the contest is open to mobile application developers, entrepreneurs, students, researchers and anybody eager to take the challenge. The contest is open to teams, ideally from one (1) to seven (7) people, composed by natural persons or persons representing legal entities. Each team must appoint a team coordinator to serve as the central contact point and represent the team towards GSA.

There is no limitation as to nationality of the applicants except for the team coordinator who must be an EU citizen. All applicants must be at least of 18 years of age by the date of registration to the contest.

In the case of applicants representing a legal entity, its central administration or registered office must be located in the EU.

All applicants are required to submit a copy of a personal ID document (ID card, Passport) to confirm **only** their name, last name, nationality (for the team coordinator) and age. **The photographs, as well as any other personal data (except for the aforementioned four) included in such ID documents must be concealed by each applicant so that they are not at all visible in the submitted copy. If, despite the aforementioned, such non-mandatory personal data are visible, it is implied that the applicant has given its consent to their processing.**

EXCLUSION CRITERIA

The contest is not open to entry where prohibited or restricted by law and is not open to employees of GSA, EC and ESA or to immediate family members (spouses, domestic partners, parents, grandparents, siblings, children and grandchildren) of employees of GSA, EC and ESA or to employees or immediate family members of any of their respective affiliates.

In addition, all applicants shall be able to sign the Declaration on Honour (Annex 1) to be allowed to participate to this competition.

CONTEST PROCESS

The contest will be organised in four steps:

- **First step – Open call for ideas (deadline for submission 28th March 2019):** Following the launch of the contest, each team shall submit a proposal describing the plans for developing an application to address one of the innovation areas listed above. Each team shall submit, by 28/03/2018, a proposal, including
 - Application form with the technical description of the idea (available [here](#))
 - Declaration of honour on exclusion (see Annex 1 available [here](#))
 - Legal Entity Form¹ (available [here](#)) with a copy of an identity document (national ID card or passport) of the natural persons participating to the team and, if necessary, an extract of the national company registry of the legal entity.

Submissions must be made through the official contest site <https://mygalileoapp.awardsplatform.com/>. The proposals will be evaluated by the GSA evaluation board composed by GSA experts of the main innovation areas who will choose a maximum of thirty (30) projects to proceed to the second step: development phase M1. Selected teams will be announced on the official contest site and promoted in other official channels. The award criteria defined below will be applied for the selection of the proposals that will move to the second step.

- **Second step - Development phase M1 (15th April – 20th June 2019):** During this step, the selected teams will be engaged in the development of a beta version of the proposed app. The beta version shall implement the general concept allowing the evaluation of the look and feel of the app and reaching minimum 50% of its functionality.

During this phase the teams will receive technical support consisting of:

- a dedicated API to facilitate the use of GNSS raw measurements.

¹ Every natural person participating to a team shall submit a “Natural Person” form + a copy of their own ID. Persons representing a legal entity shall submit a “Private Company” or “Public Law Body” form for the legal entity they represent + a copy of their own ID.

- online mentoring sessions with the technical advisory team².

At the end of the development phase M1, the beta versions will be evaluated by the GSA evaluation board who will choose a maximum of ten (10) projects to proceed to the third step: development phase M2. Selected teams will be announced on the official contest site and promoted in other official channels. The award criteria defined below will be applied for the selection of the proposals that will move to the third step.

- **Third step – Development phase M2 (4th July – 31st August 2019):** During this period, the selected teams will continue with the development of the application with the objective to deliver a final version of the app with 100% of its functionality operational and a report of testing results. The application should be already available for download at Google Play and Apple store platforms. Teams having successfully completed² this milestone will be invited³ to proceed to fourth step: the Finals. Selected teams will be announced on the official contest site and promoted in other official channels.

During this phase the teams will receive technical support consisting of online mentoring sessions with the technical and business advisory team.²

- **Fourth step – The Finals:** The official award of "MyGalileoApp" Contest 2019 prizes will take place during the awards ceremony to be organized in a selected EU capital. During this event, each team will present its app to the GSA evaluation board. Subsequently the winner, the runner up and the third place will be selected based on the award criteria listed below and awarded. Winners will be promoted in official channels.

PRIZES

Each member of the teams participating in the Finals will receive a certificate of reaching the final stage. Additionally, the winner teams of the contest will receive the following Prizes:

- 1st Prize of the GSA Evaluation Board: € 100.000 (one hundred thousand Euro)
- 2nd Prize of the GSA Evaluation Board: € 50.000 (fifty thousand Euro)
- 3rd Prize of the GSA Evaluation Board: € 30.000 (thirty thousand Euro)

Prizes shall be awarded in accordance with the principles of transparency and equal treatment and shall promote the achievement of policy objectives of the Union.

At this stage, no other Prize is foreseen. The GSA or any other sponsor reserves the right to propose an additional Prize under the present Terms of Reference at any time until the closure of the First step.

AWARD CRITERIA

The following criteria will be considered for the assessment of the projects along the four steps of the contest:

² The technical advisory team will independently test each application at the end of this phase and present the testing results to GSA as input to the decision process to select teams for the next step.

³ GSA will offer travel reimbursement for each team coordinator invited to participate in the Final. The reimbursement of participation for other team members may be provided depending on the budget availability.

- **Innovation:** Is this kind of solution not yet available on the market? Is the application technologically advanced (e.g. using multi-frequency, innovative algorithms)?
- **Market potential:** Is this solution sellable after repackaging this idea into a real product? Is there a potential market demand/customer base for this product?
- **Galileo-relevance:** Is the application making use of Galileo? Is the increased accuracy offered by Galileo relevant for the application?
- **Technical feasibility:** What is the level of progress since the start of the contest? Has the required level of completion for the phase been fully achieved? Is the plan presented for the future of the application (i.e. the scalability and an ensured 18 months of technical support) credible?

These criteria will be assessed confidentially and on a discretionary basis by the GSA evaluation board. The applicants irrevocably acknowledge that:

- They have been informed that the rules do not provide for any recourse regarding the constitution or decision of the jury.
- Jury deliberations are confidential and will not be disclosed to applicants.

INTELLECTUAL PROPERTY OF DEVELOPMENTS

Applicants will retain full ownership of the intellectual property rights on software developed within the framework of the contest, and exclusivity of commercial exploitation.

Additionally, they winners shall include Galileo/GSA branding in marketing material related to the development in a form to be defined by mutual agreement between the applicant and GSA, for example by including a logo in the app description page or any other form agreed without affecting the ownership and exclusivity of the commercial exploitation retained by the candidates nor the EC/GSA rights on the Galileo trademark.

3 THE SCHEDULE

ID	Event	Date (estimated)
1	Announcement of Contest	January 2018
2	Information Webinar	February 2019 and March 2019
3	Proposal Step 1 submission deadline	28 March 2019
4	Announcement of selected teams to proceed to development phase M1	15 April 2019
5	App Development Phase M1 end – submission/review of beta versions	20 June 2019
6	Announcement of selected teams to proceed to development phase M2	4 July 2019
7	App Development Phase M2	4 July – 31 August 2019
8	Contest Final	September 2019

4 THE ORGANISATIONAL COSTS

The participation to the contest is free of charge for the applicants. For the avoidance of doubt, it is recalled that only travel reimbursement for each team coordinator invited to participate in the Final will be reimbursed for sure, and travel costs of the other members of the team may remain at their charge.

Costs incurred in preparing and submitting a proposal are borne by the Applicants and will not be reimbursed.

5 OTHER CONDITIONS

Participation in the Contest requires the acceptance of the Rules of Contest consisting of these Terms of Reference as well as the GSA's General Rules of Contest (available [here](#)). All applicants must comply with the General Rules of Contest; in particular the attention of the applicants is brought to the obligations set forth under Article 7 (Audits, cooperation for publicity purposes) and Art. 10 (Intellectual Property).

For the avoidance of doubt, any applicants reaching the second step of the competition (and taking advantage of the in-kind support offered) shall be subject to Article 7 of the GSA's General Rules of Contest.

Any personal data that may be included in the applications of entities applying for this opportunity shall be processed by the GSA in accordance with the applicable rules on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data.

Identity of the Controller and Data Protection Officer:

- **Controller:** European GNSS Agency (GSA), Head of GSA Market Development Department, Janovskeho 438/2 170 00 Prague 7, Czech Republic, market@gsa.europa.eu;
- **Data Protection Officer:** GSA Data Protection Officer, Janovskeho 438/2 170 00 Prague 7, Czech Republic, dpo@gsa.europa.eu

Purpose of processing: Upon reception of your written note, any personal data that may be included therein shall be collected and further processed by the GSA solely for the purpose of the management and administration of the award process pertaining to this opportunity.

Data concerned: any personal data that may be included in interested entities' written notes. Such data can relate to the following categories:

- Identification of individuals (e.g. name, last name, title, function in organisation);
- Communication details of individuals (e.g. email address, telephone number, postal address);
- Information for the evaluation of eligibility, exclusion and award criteria (e.g. expertise, technical skills and languages, educational background, professional experience including details on current and past employment)

Legal basis: Article 5(1)(a) of Regulation (EU) 2018/1725

Lawfulness of processing: The processing is necessary for the performance of a task carried out in the public interest.

Recipients of the data processed: For the purpose detailed above, access to your personal data is given to the following categories of persons, without prejudice to a possible transmission to the bodies in charge of a monitoring or inspection task in accordance with European Union law: (i) a limited number of GSA staff in charge of evaluating the notes received from interested entities, (ii) staff of GSA contractors in charge of the provision of hosting services for the GSA's servers, (iii) bodies charged with a monitoring or inspection task in application of European Union law (e.g. internal audits, Financial Irregularities Panel, European Anti-fraud Office - OLAF); (iv) members of the public; the winning entities will be announced to the public, which may also entail the announcement of the personal data of the representatives of such entities (e.g. name, last name).

Information on the retention period of personal data: Files relating to procedures resulting in the award of prizes, which may include personal data, are to be retained by the GSA in its archives for a period of 7 years following the end of the year when the prize has been awarded as a result of the procedure. Files may have to be retained also until the end of a possible audit if one started before the end of the above period.

Technical storage information: Files relating to procedures resulting in the award of prizes, which may include personal data, are retained both in soft (electronic) and hard (paper) format in GSA servers/premises where access is granted in controlled manner strictly on basis of justified need-to-know. GSA servers are hosted by GSA contractors which are located in the EU and abiding by the necessary security provisions.

The data subject's rights and contact data:

- Data subjects have the right of access, rectification and erasure of their personal data or restriction of processing at any time. Requests shall be addressed to the GSA Market Development Department at market@gsa.europa.eu by describing your request explicitly.
- Data subjects are entitled to lodge an appeal at any time with the European Data Protection Supervisor (EDPS) at edps@edps.europa.eu should they consider that the processing operations do not comply with the applicable rules.