

**BORRADOR TEXTO APROBADO PENDIENTE DE PUBLICACIÓN POR LA  
COMISIÓN EUROPEA**

**HORIZON-EUSPA-2023-SPACE-01-44: The Galileo PRS service for governmental authorised use cases**

<b>Call: Galileo Public Regulated Service Use Cases</b>	
<b>Specific conditions</b>	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of between EUR 1.00 and 2.00 million would allow the outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 9.00 million.
<i>Type of Action</i>	Innovation Action
<i>Eligibility conditions</i>	<p>In order to achieve the expected outcomes, and safeguard the Union's strategic assets, interests, autonomy, and security in the area of research covered by this topic, participation is limited to legal entities established in:</p> <ul style="list-style-type: none"> <li>• Member States that have designated a Competent PRS authority (CPA) in accordance with Decision No 1104/2011, and</li> <li>• third countries that have concluded (i) a specific agreement on participation in Galileo and EGNOS, in accordance with Article 7 of Regulation 2021/696, and (ii) have become PRS participants, on the basis of international agreements concluded with the Union, in accordance with Article 3 of Decision 1104/2011, and (iii) have designated a Competent PRS authority (CPA), in accordance with Decision 1104/2011/EU.</li> </ul> <p>The proposed activities shall be carried out in full compliance with the applicable PRS regulatory framework.</p> <p>If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).</p>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 5-8 by the end of the project – The reference TRL definition is the ISO 16290:2013 applicable to the space sector.

<p><i>Evaluation Procedure</i></p>	<p>The evaluation committee will be partly composed by representatives of the European Commission and/or EUSPA and by external experts.</p>
<p><i>Submission Procedure</i></p>	<p>The evaluation procedure will take place in two steps:</p> <p><b>Step 1: Pre-selection of the bidders through a request to participate:</b></p> <p>Any interested bidder authorized by their national Competent PRS Authority (CPA) to access PRS information and perform PRS manufacturing activities shall submit a request to participate that includes the following evidence:</p> <ol style="list-style-type: none"> <li>1. Evidence of a valid authorization issued by the Security Accreditation Board (SAB) for the European Union Space Programme. This evidence can be provided in one of the following formats: either (a) a formal statement issued by the relevant CPA that the entity has a valid SAB authorisation. Copy of an email exchange will not be considered as a formal statement; or (b) a copy of the SAB (the Security Accreditation Board) authorisation statement issued by the SAB for the European Union Space Programme, including its technical annex when present.</li> </ol> <p>If none of these (a) or (b) requirements can be fulfilled at the moment of the submission of the request to participate, the bidder shall submit together with the request to participate 1) written proof that it has asked its national CPA to submit a request for the required SAB authorisation and 2) confirmation from the CPA that the request to the SAB was submitted or is in the process of being submitted. Requirements a) or b) above shall be fulfilled, for all concerned entities, by the moment of proposal submission in step 2, at the latest.</p> <ol style="list-style-type: none"> <li>2. A PRS information Management Plan (PIMP) which follows the European GNSS PSI – PRS annex establishing the responsibilities of the bidders (including consortium members and subcontractors) for the management of the PRS information, how the need to know of the persons entitled to access information in each PRS category is managed (including an organisation chart clearly showing the units within the organisation and naming natural persons who may require access to classified PRS information), how PRS documents are marked, handled, transmitted within the bidder (including consortium members and subcontractors), with the Granting Authority and with third parties inside or outside the EU. The PIMP shall demonstrate how the PRS need to know is implemented.</li> <li>3. A duly signed Non-Disclosure Undertaking (NDU). The NDU must be signed only by the prime Bidder or the consortium coordinator.</li> </ol>

The prime Bidder or consortium coordinator, with the signing of the NDU, further irrevocably and explicitly declares that it will ensure that the provisions under the NDU shall apply wholly and unconditionally to any members of the Bidder's consortium and any of the subcontractors and any personnel it may draw on for the preparation of the proposal in step 2. The prime bidder or the consortium coordinator shall submit:

- The NDU itself, using the form provide in the call documentation. It must be signed electronically with a Qualified Electronic Signature (QES) of a person that is authorised to represent the bidder or, if a QES is not available, submitted in the original paper version signed with blue-ink by the bidder's authorised representative.
- A Legal Identification Form (LEF) and its supporting documents (available at [https://ec.europa.eu/info/publications/legal-entities\\_en](https://ec.europa.eu/info/publications/legal-entities_en)). It should be noted that only entities which, according to the LEF and its supporting documents, are established in an EU Member State are eligible to receive proprietary information including classified information.
- A proof that the person signing the NDU is authorised to represent the bidder.
- A proof that the entity signing the NDU has a Local Security Officer (LSO).

The request to participate has to be submitted by 19/04/2024 only on CD-ROM (plus possibly NDU in paper version) to:

EUSPA  
Legal and Procurement Department  
Grant ref: HORIZON-EUSPA-2023-SPACE-01-44  
Janovskeho 438/2  
170 00 Prague 7  
Holesovice, Czech Republic

Upon submission, by post mail, express mail, commercial courier or hand-delivery, the bidder shall send an email of notification of submission to [tenders@EUSPA.europa.eu](mailto:tenders@EUSPA.europa.eu). The subject of the email shall be: HORIZON-EUSPA-2023-SPACE-01-44: submission of request to participate by [name of bidder/consortium].

**Step 2: Submission of the project proposal:**

	<p>In line with the confidential nature of some of the proprietary information contained in the detailed requirements for this topic, those detailed guidelines will be provided only to the bidders who meet the requirements detailed in Step 1 and have hence been pre-selected.</p> <p>Invitation to Step 2, dispatch of guidelines to the pre-selected bidders and notification to unsuccessful bidders is expected to take place at the beginning of May 2024.</p>
<i>Legal and financial set-up of the Grant Agreements</i>	<p>Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025).</p>

**Context:** Over the years a cross-border cooperation between Member States (MS) Competent PRS Authorities (CPA) has been fostered through a number of activities related to the implementation of the PRS regulatory framework. These activities (e.g. the Joint Test Activity (JTA) and the market consultation for PRS conducted under FRAME SC2 grant in 2023), and the recent coordination among MS CPA have led to the identification of gaps related to the ongoing market development of PRS civilian applications.

The PRS technology aiming at supporting one or several use cases, the related technical specifications have been selected in such a way so as to be ambitious, but at the same time realistic, so that the market will be able to deliver PRS solutions that meet the operational needs of the authorities responsible for the implementation of the PRS user segment.

**Expected Outcomes:** Projects are expected to contribute to the following outcomes:

1. Develop the use cases for authorised civilian users based on the added value of PRS service.
2. Develop the PRS applications targeting civilian users by leveraging PRS technology.
3. Build on top of previous exploratory activities and lessons learnt on the development of PRS items by stimulating the corresponding downstream PRS uptake.
4. Foster a European-level cooperation of industrial entities for the development of authorised PRS applications.

**Scope:** Proposals should identify, design and create applications leveraging the items for the first generation of Galileo PRS. Applications should address the governmentally authorised user communities and scenarios for which the technical, operational and security related features requirements of PRS service constitute barriers to entry. The applications should target well-identified operational environments in which the PRS service features (e.g. continuity of

service and access control) plays a differentiator role. Representatives of potential user communities should be involved as far as possible in the development of the prototypical applications.

Proposals should address one of the following:

<b>Priority level</b>	
	<b><i>PRS based sensor/data integrator</i></b>
<b>1</b>	<i>Receiver box for civilian apps with simple and standardized interfaces to integrate receiver cards not developed in this call (except the Server Based cards (e.g. PRS receiver with simplified crypto approach).</i>
<b>2</b>	<i>Position and time (server based or stand-alone) of first responders and other assets (firefighters/ambulance/police/Trains/geo fencing) in the C&amp;C centrals / dashboards (communication both ways).</i>
	<b><i>PRS user segment management tools</i></b>
<b>2</b>	<i>Develop an electronic channel / software for the dissemination of black keys to the end user community with accountability for the keys (applicable to secondary channel or web-based infrastructure).</i>
	<b><i>PRS based network time synchronization for civilian application.</i></b>
<b>3</b>	<i>Time synchronization of fixed critical infrastructures (Professional Mobile Radio, sludges, LNG valves, power grids etc) combining PRS reception and controlled latency time and data transfer.</i>
	<b><i>PRS based sensor/data integrator</i></b>
<b>4</b>	<i>Integration with other position sensors (e.g. AIS/VDES, inertial sensors) and data (safe ships transport routes, image recording).</i>
	<b><i>PRS based network time synchronization for civilian application.</i></b>
<b>5</b>	<i>Time synchronization of moving assets (e.g. between trains).</i>
	<b><i>PRS based UXV apps</i></b>
<b>5</b>	<i>Civilian use of UXV in hostile environment (interference and / or conflict between authorized / non authorized drones).</i>

Proposals submitted under this topic shall include a business case, exploitation strategy and the risk and threat analysis (highlight the risks related to the potential use of such technologies and proposed mitigations solutions on the user system level).

The submitted proposal, supported by the risk and threat analyses shall address specify of the PRS service considering the technological, policy and exploitation in the environment of use.

Development should build on existing standards or contribute to standardisation. European cross-border cooperation is requested.

Proposals submitted should ensure gathering at least 3 potential European user communities (at least from 3 different PRS participants).

Each proposal will be evaluated according to the SMART approach:

- **Specific** = The PRS applications/developments must bring a specific added value;
- **Measurable** =
  - The PRS applications/developments must be beneficial/shared for the whole targeted PRS User segment;
  - The PRS applications/developments shall bring a specific output with measurable results/outcome;
- **Attainable/Realistic** = The PRS applications/developments must be attainable and realistic in view of the operational, schedule, market and political related constraints;
- **Timely** = The PRS applications/developments must be completed/implementable and exploitable to a large extent by PRS FOC.

In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement.

**OLD VERSION****HORIZON-EUSPA-2023-SPACE-01-44: The Galileo PRS service for governmental authorised use cases**

<b>Specific conditions</b>	
<i>Expected contribution per project</i>	<i>EU</i> The Commission estimates that an EU contribution of between EUR 1.00 and 2.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 9.00 million.
<i>Type of Action</i>	Innovation Actions
<i>Eligibility conditions</i>	<p>In order to achieve the expected outcomes, and safeguard the Union’s strategic assets, interests, autonomy, and security in the area of research covered by this topic, participation is limited to legal entities established in:</p> <ul style="list-style-type: none"><li>• Member States that have designated a Competent PRS authority (CPA) in accordance with Decision No 1104/2011, and</li><li>• third countries that have concluded (i) a specific agreement on participation in Galileo and EGNOS, in accordance with Article 7 of Regulation 2021/696, and (ii) have become PRS participants, on the basis of international agreements concluded with the Union, in accordance with Article 3 of Decision 1104/2011, and (iii) have designated a Competent PRS authority (CPA), in accordance with Decision 1104/2011.</li></ul> <p>The proposed activities shall be carried out in full compliance with the applicable PRS regulatory framework.</p> <p>If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).</p>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 5-7 by the end of the project – The reference TRL definition is the ISO 16290:2013 applicable to the space sector.
<i>Legal and financial set-up of the Grant Agreements</i>	Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the

Expected Outcome: Projects are expected to contribute to the following outcomes:

- Develop the use cases for authorised civilian users based on the added value of PRS service;
- Develop the PRS applications targeting civilian users by leveraging PRS technology;
- Build on top of previous exploratory activities and lessons learnt on the development of PRS items by stimulating the corresponding downstream PRS uptake;
- Foster a European-level cooperation of industrial entities for the development of authorised PRS applications;

Scope: Proposals should identify, design and create applications leveraging the items for the first generation of Galileo. Applications should address the governmentally authorised user communities and scenarios for which the technical, operational and security related features requirements of PRS Service constitute barriers to entry. The applications should target well-identified operational environments in which the PRS Service features (e.g. continuity of service and access control) may play a differentiator role. Representatives of potential user communities should be involved as far as possible in the development of the prototypical applications.

Multidisciplinary activities could address one of the following:

- Critical infrastructure management and security;
- Law enforcement;
- Emergency and disaster recovery.

Proposals submitted under this topic shall include a business case, exploitation strategy and the risk and threat analysis (highlight the risks related to the potential use of such technologies and proposed mitigations solutions on the user system level).

The submitted proposal, supported by the risk and threat analyses shall address specify of the PRS service considering the technological, policy and exploitation in the environment of use.

Development should build on existing standards or contribute to standardisation. European cross-border cooperation is requested.

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<sup>1</sup> This [decision](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf) is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision\\_he\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf)



Proposals submitted should ensure gathering at least 3 potential European user communities (at least from 3 different PRS Participants).

Each of proposals will be evaluated according to SMART approach:

- **Specific** = The activity must bring a specific added value;
- **Measurable** =
  - o The activity must be beneficial/shared for the whole targeted PRS User segment;
  - o The activity brings a specific output with measurable results/outcome;
- **Attainable/Realistic** = The activity must be coherent with the PRS priorities established at Programme level, coherent with the regulatory framework, and realistic in view of the operational, schedule, market and political constraints;
- **Timely** = The activity must be completed/implementable and exploitable by PRS FOC.

In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement.