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**B-Brussels: GSA/RP/01/11 — 'PRS4PMR' — (integrated PMR
(professional mobile radio) and Galileo PRS receiver architecture)
2011/S 121-199558**

CONTRACT NOTICE

Services

SECTION I: CONTRACTING AUTHORITY

I.1) NAME, ADDRESSES AND CONTACT POINT(S)

European GNSS Agency
rue de la Loi 56
Attn: Ms Triinu Volmer
1049 Brussels
BELGIUM

E-mail: tenders@gsa.europa.eu

Fax +32 22921756

Internet address(es)

General address of the contracting authority <http://www.gsa.europa.eu/go/home/gsa/procurement/>

Further information can be obtained at:

European GNSS Agency
rue de la Loi 56
Attn: Ms Triinu Volmer
1049 Brussels
BELGIUM

E-mail: tenders@gsa.europa.eu

Fax +32 22921756

Internet: <http://www.gsa.europa.eu/go/home/gsa/procurement/>

Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained at:

European GNSS Agency
rue de la Loi 56
Attn: Ms Triinu Volmer
1049 Brussels
BELGIUM

E-mail: tenders@gsa.europa.eu

Fax +32 22921756

Internet: <http://www.gsa.europa.eu/go/home/gsa/procurement/>

Tenders or requests to participate must be sent to: As in above-mentioned contact point(s)

I.2) TYPE OF THE CONTRACTING AUTHORITY AND MAIN ACTIVITY OR ACTIVITIES

European institution/agency or international organisation

The contracting authority is purchasing on behalf of other contracting authorities No

SECTION II: OBJECT OF THE CONTRACT

II.1) **DESCRIPTION**

II.1.1) **Title attributed to the contract by the contracting authority**

GSA/RP/01/11 — 'PRS4PMR' — (integrated PMR (professional mobile radio) and Galileo PRS receiver architecture).

II.1.2) **Type of contract and location of works, place of delivery or of performance**

Services

Service category: No 8

Main place of performance The main place of performance will be the contractor's facilities/premises.

II.1.3) **The notice involves**

A public contract

II.1.4) **Information on framework agreement**

II.1.5) **Short description of the contract or purchase(s)**

The contract is foreseen for obtaining a laboratory demonstration to validate the architecture and performances of the assisted PRS concept using equipment and facilities of the contractor. A standard specification package supporting phase B — as defined by the ECSS (European Cooperation for Space Standardisation) standards — definition shall be written. The objectives of the contract are as follows:

— demonstrate practicality of PRS-PMR integration — provide a proof of concept demonstration of PRS-PMR integration. Demonstrate through studies and a laboratory demonstration that PRS-PMR integration is practical and likely to be cost-effective. This is the key objective for this contract,

— raise awareness of beneficial possibilities of PRS-PMR integration — identify and communicate to EU bodies, MSs, potential PRS user communities and PMR communities the benefits of PRS-PMR integration for real-world operations,

— prepare a cost-benefit analysis for PRS-PMR introduction — building on the market analysis performed by GSA, produce a cost benefit analysis of PRS-PMR solutions compared to the current available ones,

— demonstrate benefits of PRS for PMR applications — identify and explain the benefits of using PRS for PMR users (providing robust, secured and authenticated navigation),

— validate PRS-PMR phase A study — validate the early work sponsored by GSA and validate and extend it in the context of PMR users and system providers,

— demonstrate PMR contribution to PRS management — identify and explain the operational benefits for PRS of integrating PMR communications and management (use of PMR user management, ability to manage PRS user access using short validity keys, etc.),

— define secondary channel specifications for PRS-PMR — build on existing standards, Galileo specifications and other inputs provided by GSA to propose specifications for the PRS secondary channel tailored to PRS-PMR applications,

— verify that the PRS and PMR security objectives can be achieved — show that PRS-PMR integration can be achieved in such a way that the essential security requirements of both PRS and PMR are maintained, also supporting the idea of research activities under the contract,

— prepare standardisation activities for PRS-PMR — establish a methodology and approach for standardisation of PRS enhancements for PMR integration (e.g. through ETSI, TETRA forum).

The study will preferably use TETRA as the target PMR system.

II.1.6) **Common procurement vocabulary (CPV)**

73000000

II.1.7) **Contract covered by the Government Procurement Agreement (GPA)**

No

II.1.8) **Division into lots**

No

II.1.9) **Variants will be accepted**

No

II.2) **QUANTITY OR SCOPE OF THE CONTRACT**

II.2.1) **Total quantity or scope**

The work under the contract will be split into and organised by the following tasks:

- task 1: project management,
- task 2: PRS-PMR system architecture consolidation,
- task 3: PRS-PMR demonstration definition,
- task 4: PRS-PMR demonstrator development,
- task 5: PRS-PMR demonstration & exploitation.

The expected activities will cover both the development of a laboratory demonstration and the study of the assisted PRS architecture concept.

Task 2 will comprise an initial consolidation activity to define the A-PRS architecture, including the definition of security measures to be enforced by future equipment. The definition of the A-PRS architecture will follow ECSS standards while the works on its security will follow international or European recognised standards such as common criteria. CRAMM and EBIOS are authorised methods for conducting the security risk analysis.

Task 3 will identify and scope a PRS-PMR laboratory demonstration that will show the benefits and practicality of PRS-PMR integration. It will also demonstrate that the demonstrator is representative of the A-PRS architecture as defined in task 2, clearing potential technical issues in the definition of the system and its interfaces, both internal and external. All equipment and resources for the demonstration shall be the responsibility of the contractor.

Task 4 will comprise the development and the acceptance of the PRS-PMR demonstrator. The development shall be controlled by several milestones:

1. a preliminary design review (PDR) to assess the development configuration baseline (DCB) and to agree on the demonstrator's characteristics as well as their verification conditions;
2. a critical design review (CDR) to assess the demonstrator's design baseline (DB) and to approve the design documentation;
3. a qualification review (QR) to agree on the demonstrator's product configuration baseline (PCB) and the acceptance of positive test reports.

The data packages associated with CDR, PDR and QR shall follow ECSS standards with tailoring to the specific objectives of the demonstrator, i.e. demonstrating that the A-PRS architecture is sound and defined with sufficient details to be demonstrated and to allow proposing its specifications to a standardisation forum.

Task 5 will comprise the planning and execution of technical experimentation using the demonstrator in the laboratory to confirm the study technical objectives and the PRS-PMR secondary channel specifications developed within the programme.

This task will also include several demonstrations of PRS-PMR integration to MSs, industry and other interested stakeholders (to be invited by GSA).

Task 5 will develop awareness amongst PMR stakeholders about the benefits and practicality of PRS-PMR integration. It will include the dissemination of programme results in an open forum. Task 5 will include the preparation of a cost-benefit analysis for PRS-PMR introduction. Building on the market analysis performed by GSA, the contractor will evaluate the additional costs and quantify the additional benefits of PRS-PMR solutions. The analysis will evaluate cost and benefits for the main actors involved.

The task will also establish links and define a process for developing PRS-PMR standards. The task will propose a roadmap leading towards the implementation and evolution of PRS-PMR solutions.
Excluding VAT 900 000 EUR

II.2.2) **Options**

Yes

description of these options: Extension of contract for another 6 months might be expected in case more time is needed for software upgrade(s) and further demonstration activities. This will also be a subject to budget availability. The need and possibility of the extension will be determined by the GSA during the initial contract (within 18 months from the kick-off meeting).

II.3) **DURATION OF THE CONTRACT OR TIME-LIMIT FOR COMPLETION**

Duration in months: 18 (from the award of the contract)

SECTION III: LEGAL, ECONOMIC, FINANCIAL AND TECHNICAL INFORMATION

III.1) **CONDITIONS RELATING TO THE CONTRACT**

III.1.1) **Deposits and guarantees required**

Financial deposits and guarantees will not be required at this stage of the procurement procedure.

III.1.2) **Main financing conditions and payment arrangements and/or reference to the relevant provisions regulating them**

Payments shall be made in accordance with the provisions specified in the draft service contract that will be made available for the tenderers who have passed the selection stage.

III.1.3) **Legal form to be taken by the group of economic operators to whom the contract is to be awarded**

III.1.4) **Other particular conditions to which the performance of the contract is subject**

Yes

- 1) compliance with security aspect matrix; and
- 2) signing of non-disclosure agreement.

See Section VI.3 below.

III.2) **CONDITIONS FOR PARTICIPATION**

III.2.1) **Personal situation of economic operators, including requirements relating to enrolment on professional or trade registers**

Information and formalities necessary for evaluating if requirements are met: Candidates must have the economic and financial capacity as well as the technical and professional capacity to perform the tasks required in this call for tender.

Note for III.2.1 to III.2.3: The statements and records requested shall be sent in a sealed envelope with the clearly visible declaration 'request to participate — Do Not Open!' together with the request for participation in writing to the abovementioned contact point. The request for participation and the required statements and records must be signed by the duly authorised representative of the tenderer. In case a group of economic operators requests participation the declarations on the personal situation have to be provided and signed individually by each member of the group.

Copies of statements and records are recognised, if they do not give rise to doubts about the compatibility with the original. Please submit all records and statements in the order as listed in this contract notice. If the required statements or records are incomplete or insufficient, the candidate may be excluded from the process — the candidates do not have a right to submit additional information in order to complete the required statements and records unless requested by the contracting authority.

In the case of recourse to 1 or more subcontractors, the tenderer will be requested to submit a declaration of commitment of the respective subcontractors for the performance of the subcontracted portion before

the contract can be awarded. Should the tenderer not rely on the respective subcontractors as proof of his economic, financial and technical capacity, the contracting authority reserves the right to request such declarations from the subcontractors regarding the service to be subcontracted before the award of the contract.

III.2.2) Economic and financial capacity

Information and formalities necessary for evaluating if requirements are met: Candidates must provide proof of their financial and economic capacity by means of the following documents:

- 1) the balance sheets or extracts from balance sheets for the last 3 financial years;
- 2) a statement of overall turnover of the last 3 financial years; and
- 3) a statement of turnover relating to the relevant services (PRS and PMR) for this tender for the last 3 financial years.

III.2.3) Technical capacity

Information and formalities necessary for evaluating if requirements are met:

- 1) compliance with applicable EU GNSS security rules;
- 2) technical expertise;
- 3) professional expertise.

Minimum level(s) of standards possibly required

1) Compliance with applicable EU GNSS security rules: operators shall submit a compliance matrix to the core requirements of the security aspects letter (SAL), see Section IV.3.3 of this contract notice.

2) Technical expertise:

— operators shall provide successful references demonstrating their capability to perform all the tasks, at the required level of quality, within the defined budget and time constraints,

— operators shall already have the main equipment ready to be integrated for the demonstration, including a PMR platform and a PRS or pseudo-PRS receiver.

Modifications of this equipment are possible and this work will be undertaken in the frame of task 4.

3) Professional expertise: the staff responsible for the execution of the service shall demonstrate proven records in PRS, PMR and security domains.

III.2.4) Reserved contracts

No

III.3) CONDITIONS SPECIFIC TO SERVICES CONTRACTS

III.3.1) Execution of the service is reserved to a particular profession

No

III.3.2) Legal entities should indicate the names and professional qualifications of the staff responsible for the execution of the service

Yes

SECTION IV: PROCEDURE

IV.1) TYPE OF PROCEDURE

IV.1.1) Type of procedure

Restricted

IV.1.2) Limitations on the number of operators who will be invited to tender or to participate

Envisaged minimum number 5

IV.1.3) Reduction of the number of operators during the negotiation or dialogue

IV.2) AWARD CRITERIA

IV.2.1) Award criteria

The most economically advantageous tender in terms of the criteria stated in the specifications, in the invitation to tender or to negotiate or in the descriptive document

IV.2.2) **An electronic auction will be used**

No

IV.3) **ADMINISTRATIVE INFORMATION**

IV.3.1) **File reference number attributed by the contracting authority**

GSA/RP/01/11 — 'PRS4PMR'.

IV.3.2) **Previous publication(s) concerning the same contract**

IV.3.3) **Conditions for obtaining specifications and additional documents**

Time limit for receipt of requests for documents or for accessing documents 8.8.2011

Payable documents No

IV.3.4) **Time-limit for receipt of tenders or requests to participate**

23.9.2011 - 10:00

IV.3.5) **Date of dispatch of invitations to tender or to participate to selected candidates**

IV.3.6) **Language(s) in which tenders or requests to participate may be drawn up**

Spanish. Danish. German. Greek. English. French. Italian. Dutch. Portuguese. Finnish. Swedish. Czech. Estonian. Hungarian. Lithuanian. Latvian. Maltese. Polish. Slovak. Slovenian. Irish. Bulgarian. Romanian.

IV.3.7) **Minimum time frame during which the tenderer must maintain the tender**

IV.3.8) **Conditions for opening tenders**

SECTION VI: COMPLEMENTARY INFORMATION

VI.1) **THIS IS A RECURRENT PROCUREMENT**

No

VI.2) **CONTRACT RELATED TO A PROJECT AND/OR PROGRAMME FINANCED BY EU FUNDS**

Yes

reference to project(s) and/or programme(s): Previous publications: work programme, cooperation, theme 7, transport (including aeronautics), European Commission C(2010)4900 of 19.7.2010 (ftp://ftp.cordis.europa.eu/pub/fp7/docs/wp/cooperation/transport/g-wp-201101_en.pdf).

VI.3) **ADDITIONAL INFORMATION**

1. Exclusion criteria — declaration of honour:

To be able to be part of the evaluation, the candidates must not be in any of the exclusion grounds listed in the declaration of honour. Candidates must fill in and sign the form that can be downloaded at: <http://www.gsa.europa.eu/go/home/gsa/procurement/> for proving that they are not in any of the situations described in the declaration.

Where the tender involves more than 1 service provider (consortium or grouping), each provider must fill in and return the form, as well as the evidence specified.

Subcontractors (when the subcontracted part does not exceed 20 % of the contract) must only provide the declaration of honour.

Bids submitted by subcontractors which have not provided the abovementioned documents may not be taken into consideration.

GSA reserves the right, however, to request any other document relating to the proposed tender for evaluation and verification purpose, within a delay fixed in its request.

2. Security criteria in selection criteria and SAL:

Special attention should also be brought to the requirements as contained in the security aspects letter, that can be downloaded at: <http://www.gsa.europa.eu/go/home/gsa/procurement/>

3. Non-disclosure agreement procedure:

Candidates should send a formal request for the reference documents through their local security officer at least 1 month before the deadline for the submission of bids to the following e-mail address: tenders@gsa.europa.eu In their request, candidates shall indicate the name and address of the candidate and the name of local security officer. The request shall be accompanied by:

- proof that the local security officer is appointed in this position by the economic operator, and
- a scanned copy of the signed non-disclosure agreement, that can be downloaded at: <http://www.gsa.europa.eu/go/home/gsa/procurement/> for GSA countersignature.

In parallel, candidates shall send 2 signed originals of the non-disclosure agreement for GSA countersignature to:

European GNSS Agency, attention: Ms Triinu Volmer, rue de la Loi 56, 1049 Brussels, BELGIUM.

After successful conclusion of the non-disclosure agreement, the candidates will receive the following proprietary information:

- the Galileo stand-alone security classification guide,
- the European GNSS programme security instruction,
- the GalileoSat programme security instruction.

Candidates who are not requested to submit a tender and candidates who fail to submit a tender or whose tender is rejected must return all documents provided by the GSA at their own costs within 2 months following the rejection of their request to participate or the deadline for submission of tenders in accordance with the non-disclosure agreement.

4. Groups of economic operators:

In case a group of economic operators applies for the participation they are required to declare in their request for participation:

- (a) all economic operators of their group;
- (b) the representative of the group acting as point of contact for all correspondence and authorised to act as legal representative for the group entitled to make legally binding declarations in the name and on behalf of the group;
- (c) that the group in case they are awarded the contract will perform the contract as a consortium;
- (d) that all members of the consortium will be jointly and severally liable for the performance of the contract;
- (e) the personal situation, the declaration of honour and applicable security requirements (SAL matrix and the obligatory signing of the non-disclosure agreement) for each economic operator of the group.

VI.4) PROCEDURES FOR APPEAL

VI.4.1) Body responsible for appeal procedures

General Court of the European Union
Luxembourg
LUXEMBOURG

Internet: <http://www.curia.europa.eu>

Body responsible for mediation procedures

The European Ombudsman
Strasbourg
FRANCE

Internet: <http://www.ombudsman.europa.eu>

VI.4.2) Lodging of appeals

VI.4.3) **Service from which information about the lodging of appeals may be obtained**

European GNSS Agency

Brussels

BELGIUM

E-mail: tenders@gsa.europa.eu

VI.5) **DATE OF DISPATCH OF THIS NOTICE:**

16.6.2011