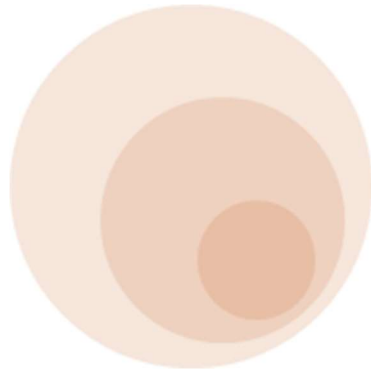




PROCUREMENT AND SALES DIRECTORATE
PROCUREMENT AND SALES SUB-DIRECTORATE




Competitive bidding regulations

OPEN CONSULTATION (ARTICLES L. 2500 OF THE FRENCH
PUBLIC PROCUREMENT CODE)


**R&D ON THE PREPARATION OF A RESPONSIVE
ARCHITECTURE FOR STM ACTIVITIES**

ORASOA202601119

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This competitive bidding procedure is made up of the following documents, in descending order of priority:

- [DA1]: These competitive bidding regulations and appendices:
 - Appendix 1: General provisions governing CNES calls for tender
 - Appendix 2: Response template
- [DA2]: Technical specifications
- [DA3]: The draft contract

1 PURPOSE OF THE COMPETITIVE BIDDING PROCEDURE

This competitive bidding procedure concerns the design of a responsive system that will tackle challenges related to the implementation of the Space Traffic Management by exploring rapture solutions for different use cases:

- Trajectory clearance & deconflicting concept for large-scale Space Traffic Coordination
 - Radio Interference Risk Prediction Concept for coordinated TM/TC emissions
 - Interconnected advanced alerting system for abnormal space-objects behaviours
 - STM concept inspired by Air Traffic Management
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2 SPECIFICATIONS

2.1 TECHNICAL SPECIFICATIONS

2.1.1 Division into work packages

This competitive bidding procedure is divided into legal work packages. However, the Candidate's bid may cover all of the following legal packages:

These legal packages are broken down as follows:

Legal Work Package 1: Definition and Prototyping of an Operational Short-Cycle Trajectory Clearance & Deconflicting Concept for Large-Scale Space Traffic Coordination:

Firm tranche:

- Task 1 – Detailed Analysis and State of the Art, until 31 March 2028, Firm price
- Task 2 – Solution design, until 31 March 2028, Firm price
- Task 3 – Development and prototyping, until 31 March 2028, Firm price
- Task 4 – Evaluation and Validation, until 31 March 2028, Firm price
- Task 5 – Consolidation and recommendations, until 31 March 2028, Firm price
- Task 6 – Valuation, until 31 March 2028, Firm price

Legal Work Package 2: Definition and Prototyping of an Operational Radio Interference Risk Prediction Concept for Space Missions to Enable Coordinated TM/TC Emissions:

Firm tranche:

- Task 1 – Detailed Analysis and State of the Art, until 31 March 2028, Firm price
- Task 2 – Solution design, until 31 March 2028, Firm price
- Task 3 – Development and prototyping, until 31 March 2028, Firm price
- Task 4 – Evaluation and Validation, until 31 March 2028, Firm price
- Task 5 – Consolidation and recommendations, until 31 March 2028, Firm price
- Task 6 – Valuation, until 31 March 2028, Firm price

Legal Work Package 3: Definition and Prototyping of an Interconnected Advanced Alert System for Abnormal Space Object Behaviours:


Firm tranche:

- Task 1 – Detailed Analysis and State of the Art, until 31 March 2028, Firm price
- Task 2 – Solution design, until 31 March 2028, Firm price
- Task 3 – Development and prototyping, until 31 March 2028, Firm price
- Task 4 – Evaluation and Validation, until 31 March 2028, Firm price
- Task 5 – Consolidation and recommendations, until 31 March 2028, Firm price
- Task 6 – Valuation, until 31 March 2028, Firm price

Legal Work Package 4: Definition and Prototyping of a Space Traffic Management (STM) Concept Inspired by Air Traffic Management (ATM):

Firm tranche:

- Task 1 – Detailed Analysis and State of the Art, until 31 March 2028, Firm price
- Task 2 – Solution design, until 31 March 2028, Firm price
- Task 3 – Development and prototyping, until 31 March 2028, Firm price
- Task 4 – Evaluation and Validation, until 31 March 2028, Firm price
- Task 5 – Consolidation and recommendations, until 31 March 2028, Firm price
- Task 6 – Valuation, until 31 March 2028, Firm price

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Provided the Candidate's bid meets all legal work packages, covering then all the services defined for that legal work package in the technical specifications [DA2].

 **The Candidate is not authorized to submit bids with an amount that varies according to the number of legal work packages that may be obtained.**

2.1.2 Alternative bid

The Candidate **is not authorised to submit an alternative bid.**


2.1.3 Minimum requirements

In the context of this competitive bidding procedure, **no minimum requirements are specified.**

2.2 CONTRACTUAL SPECIFICATIONS

The services shall be covered by **a Contract, with an estimated duration of 18 months.**


The draft contract is presented in [DA3].

 **This draft contract constitutes a full-fledged specification and must be explicitly accepted by the Candidate in its bid, bearing in mind that for the purposes of this competitive bidding procedure, the draft contract as submitted in the regulations constitutes a non-negotiable contractual basis.**

2.3 FINANCIAL SPECIFICATIONS

Price disclosure: In the context of this competitive bidding procedure, **the Candidate shall be informed that the credits allocated to the Legal work package 1 is 500 000 € excluding tax, to the Legal work package 2 is 500 000 € excluding tax, to the Legal work package 3 is 500 000 € excluding tax and to the Legal work package 4 is 500 000 € excluding tax. This indication constitutes a reason for the non-conformity of the bid, whose amount shall be assessed according to the selection criteria set out in §3.2.**

Co-financing: In the context of this competitive bidding procedure, **no special requirements are specified.**

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2.4 RESPONSE TEMPLATE


 **The Candidate's bid must be drawn up according to the "Response template" given in Appendix 2.**


All the communication between CNES and the Candidate, and in particular the submission of the bid, shall only be done using the CNES procurement dematerialisation platform, accessible via the link: <https://marches.cnes.fr>

 **Only if this platform is not accessible** is the Candidate authorised to contact:

CENTRE NATIONAL D'ETUDES SPATIALES
Procurement – Sales service **DAR/OAR/SOA**
Address: **18, avenue Edouard Belin - 31401 Toulouse Cedex 9, France**

For the attention of **Quentin GARRIGA**
quentin.garriga@cnes.fr

 **The Candidate who uses this means of communication must send with its request the proof that the platform placed at its disposal is unavailable. Otherwise, CNES reserves the right not to respond to its request.**

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3 SELECTION CONDITIONS

3.1 BID CONFORMITY CONDITIONS

The nonconformities that can lead to rejection of the bid by CNES are as follows:

- Inappropriate bid: bid unsuited to the contract because, without substantial modification, it is clearly unable to meet the needs and requirements of CNES as expressed in the competitive bidding documents, which is equivalent to a failure to bid,

After negotiation, if applicable:


- Irregular bid: bid which fails to meet the requirements expressed in the competitive bidding documents, in particular because it is incomplete, or which is in breach of the applicable legislation, especially social and environmental legislation,
- Unacceptable bid: bid for which the price exceeds the budget credits allocated to the contract.

3.2 SELECTION CRITERIA

The analysis of the bids will lead to a rating based on a range of technical, administrative and financial criteria.

The bids shall be assessed with a view to selecting the most economically favourable bid according to the following weighted criteria:

Criteria	Description	Contribution
C1 – Technical	Relevance and credibility of technical proposal The main assessment criteria are: <ul style="list-style-type: none"> • Understanding of the expected service and clarity of the technical response, • Coverage of proposed skills, detailing key personnel, in relation to functional and thematic scope, • Technical resources and working environment. Relevance of engineering methods and tools, • Understanding of needs and constraints 	40%
C2 – work organization and profiles	Relevance of the work organization to the service Technical requirements coverage The main assessment criteria are:	30%

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	<ul style="list-style-type: none"> • Matching skill profiles, • Industrial organization of the business to foster innovation through the existence of cutting-edge skills in the fields studied, • Resources available in the field (skills pool) and project risk management, • Organization of relations and technical exchanges with CNES, • Relevance of work methodology, • Requirements coverage and consistency with offer. 	
C3 – Cost	Evaluation of the firm lump sum amount of the proposal <ul style="list-style-type: none"> • Relative comparison with other applicants 	20%
C4 – Ecology	Concerns about consequences of the project on the Ecology The main assessment criteria are: <ul style="list-style-type: none"> • Credibility of the actions implemented to respond to the reduction of environmental impacts. • Internal Environmental Charter (with description) 	10%

4 COMPETITIVE BIDDING PROCESS

The steps in this competitive bidding procedure are as follows:

4.1 PRELIMINARY CALL FOR PROPOSALS

This competitive bidding procedure **is not subject to a pre-bid invitation to tender.**


4.2 SITE VISIT

This competitive bidding procedure **is not subject to a site visit.**

4.3 PRESENTATION OF THE TECHNICAL SPECIFICATIONS TO ALL BIDDERS

A presentation of the SOW will be held by videoconference within two weeks of the announcement date. To participate, the Candidate must indicate its interest on ATEXO by providing a contact email address.

4.4 BID SUBMISSION

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The Candidate must submit its bid in accordance with the conditions specified in chapter 2.4 of these regulations, and no later than: **15/06/2026 at 12:00.**

 **Any bid submitted after this deadline shall not be considered.**

Any questions from the Candidate must be sent via the CNES purchasing profile, at least ten (10) working days before the deadline for receipt of bids. The CNES will inform all Candidates of the response to questions via its buyer profile.

Any request for an extension of this deadline must be duly substantiated and sent via the CNES buyer profile at least **ten (10) working days** before the deadline for the receipt of the bids.

If CNES considers this request acceptable, it shall inform all the Candidates via its buyer profile.


If the procedure did not require a preliminary call for proposals, the Candidate shall complete its bid with the elements necessary for the examination of its proposal by CNES. All the documents submitted by the Candidate in response to this competitive bidding procedure shall be kept and archived by CNES and treated as confidential.

4.5 BID NEGOTIATION

This competitive bidding procedure **may give rise to a negotiation phase, according to the conditions specified below.**

After the bids have been received, CNES may:


- Invite the Candidate to participate in a negotiation phase which will lead to the submission of a bid modified accordingly. Within the context of this phase, apart from the negotiation leading to a modified bid, CNES may, in particular, ask the Candidate for substantiating documentation regarding any particular component of its pricing proposal and may request additional details concerning all the components of the bid. In any case, these clarifications shall be sent to CNES via the buyer profile within **three (3) days** following the request and shall be incorporated into the modified bid.
- Before taking its decision, ask the Candidate for more details and information concerning its modified bid; these clarifications or additions are intended to clarify the file. The Candidate is required to provide CNES, via the buyer profile, any additional technical, administrative or financial information that may be requested within **three (3) days** following the request.
- Choose the modified bid based on the selection criteria set out in paragraph 4.5 below.

 **However, CNES reserves the right to award the contract on the basis of the initial bid without negotiations.**

The initial bid shall apply until the modified bid is issued by the Candidate. The modified bid shall be binding on the Candidate.

4.6 OUTCOME OF THE COMPETITIVE BIDDING PROCEDURE - NOTIFICATION OF THE RESULT

At the end of this competitive bidding procedure, CNES shall notify the Candidate of its choice (bid selected or rejected).

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If all the bids received are non-conforming, CNES shall declare the competitive bidding unsuccessful and shall inform the Candidate of its decision.

4.7 FINALISATION OF THE CONTRACT

After the decision to award the contract, a contract finalisation phase may be scheduled by CNES.



This finalisation may not result in any substantial modification to the bid or the contract, any variation in which would be liable to distort competition or have a discriminatory effect.



In particular, at this stage of the competitive bidding procedure, the draft contract is deemed to be explicitly accepted by the Candidate or, if this regulation so permits, to have been the subject of amendments duly justified by the Candidate and accepted by CNES.

4.8 DECISION TO TERMINATE THE BIDDING PROCEDURE

If CNES decides not to proceed with this competitive bidding procedure, it shall inform the Candidate as soon as possible in accordance with the regulations. The decision to terminate the bidding procedure shall not give rise to any compensation.

❖ End of document ❖
