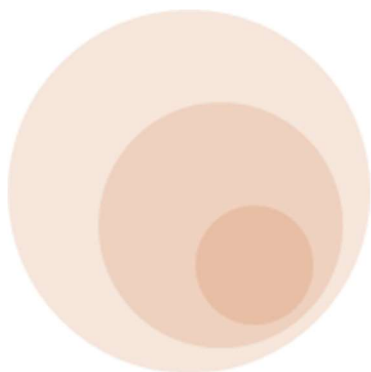




PROCUREMENT AND SALES DIRECTORATE
PROCUREMENT AND SALES SUB-DIRECTORATE



Competitive bidding regulations

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


**R&D ON COVARIANCE ESTIMATION AND
IMPROVEMENT FOR RISK ANALYSIS**

ORASOA202501174

Contract notice published in the supplement to the
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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 services related to the study of a better estimation of the covariance in various contexts as follow :

1. The first part of this study is the construction of covariance based on historical information on position and velocities of an object in case no covariance is available.
2. The second part of this study is the improvement of the accuracy of the covariance after orbit determination using the Considering Parameter theory.
3. The third part of this study is the estimation of the risk in the case of large covariance.

All parts aim to improve uncertainty estimation testing state of the art algorithms in the perspective of medium-term integration in the operational process.

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2 SPECIFICATIONS

2.1 TECHNICAL SPECIFICATIONS

2.1.1 Division into work packages

This competitive bidding procedure is not divided into legal work packages. The Candidate's bid must cover all the services defined in the technical specifications [DA2], which constitute a **single legal package**.

This legal package is broken down as follows:

Firm tranche:

- Technical work package 1: Covariance construction from orbital data, until 30 June 2026, Firm price
- Technical work package 2: Integrating Consider parameters to the data flow of a catalogue, until 30 June 2026, Firm price
- Technical work package 3: Risk classification in the case of large covariance, until 30 June 2026, Firm price

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 12 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 Candidate is authorised to propose amendments to the draft contract, duly justified in its bid. Failing this, the amendments shall not be examined by CNES. CNES reserves the right to accept or not the amendments proposed by the Candidate.

2.3 FINANCIAL SPECIFICATIONS

Price disclosure: In the context of this competitive bidding procedure, **the Candidate shall be informed that the credits allocated to this contract are 130 000 € for the Technical WP1, 130 000 € for the Technical WP2 and 120 000 € for the Technical WP3 excluding tax. The bid whose amount exceeds these credits shall be declared non-conforming under the conditions set out in §3.1**

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.**

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

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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:

3.3 SELECTION CRITERIA

Note: Although the following criteria will be used to score the submitted proposals per legal work packages, the analysis will be made per technology involved.

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: <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, 	30%

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	<ul style="list-style-type: none"> 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 BID SUBMISSION

The Candidate must submit its bid in accordance with the conditions specified in chapter 2.4 of these regulations, and no later than: **03/06/2025 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.

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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.

4.4 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.

4.5 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).

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

4.6 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

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regulation so permits, to have been the subject of amendments duly justified by the Candidate and accepted by CNES.

4.7 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 ❖