

Tender Specifications

Attached to the Invitation to tender

Invitation to tender No. EMSA/NEG/22/2017 for Provision of IP Network Connectivity to the EMSA's Datacentre with the FCCN Research Network

1. Introduction

The European Maritime Safety Agency (EMSA) was established under Regulation (EC) No 1406/2002 of the European Parliament and of the Council¹ for the purpose of ensuring a high, uniform and effective level of maritime safety. Among its tasks, the Agency develops and operates maritime information systems which require high-bandwidth internet communication channels with EU Members States users. In particular, the CleanSeaNet system, the EU satellite based oil spill monitoring system, requires near-real time satellite image acquisition through a network of image service providers sending images over the pan-European GEANT research network. This tender it is to procure the services to connect EMSA to the high-bandwidth pan-European research network GEANT (which is represented by the FCCN in Portugal).

2. Objective, scope and description of the contract

Objective of the tender is to procure connectivity services to connect EMSA's main Datacentre with the FCCN main Datacentre in Lisbon.

EMSA's main Datacentre is located on the 3rd floor of the EMSA Building at Cais do Sodré, 1249-206, Lisbon, Portugal.

FCCN main Datacentre is located in Campus do Laboratório Nacional de Engenharia Civil, LNEC at Av. Do Brasil 101 Lisboa, Portugal where there are 2 technical rooms available:

- SE03 Ed. Manuel Rocha
- SE06 Pavilhão Cuama

The required solution must allow for 1 Gbps bi-directional connection speed with low latency and high availability; the provided circuit should be built on a dark fibre, or on a MetroLAN Layer 2 link, or on an equivalent low latency technology. The link cannot be subject to traffic shaping, filtering or restrictions whatsoever on ports, protocols, time and amount of data traffic.

The tenderer will be responsible for the delivery of the local loops on both sides of the link. The installation costs – if foreseen - must be included in the pricing under an initial one-off setup fee. In case new equipment needs to be installed, the tenderer can be required to share a common Telco rack with other providers already present in the EMSA and FCCN Datacentre. The details will be discussed during the implementation phase.

¹ Regulation (EC) No 1406/2002 of the European Parliament and of the Council of 27 June 2002 establishing a European Maritime Safety Agency (OJ L 208, 5.8.2002, p.1.).

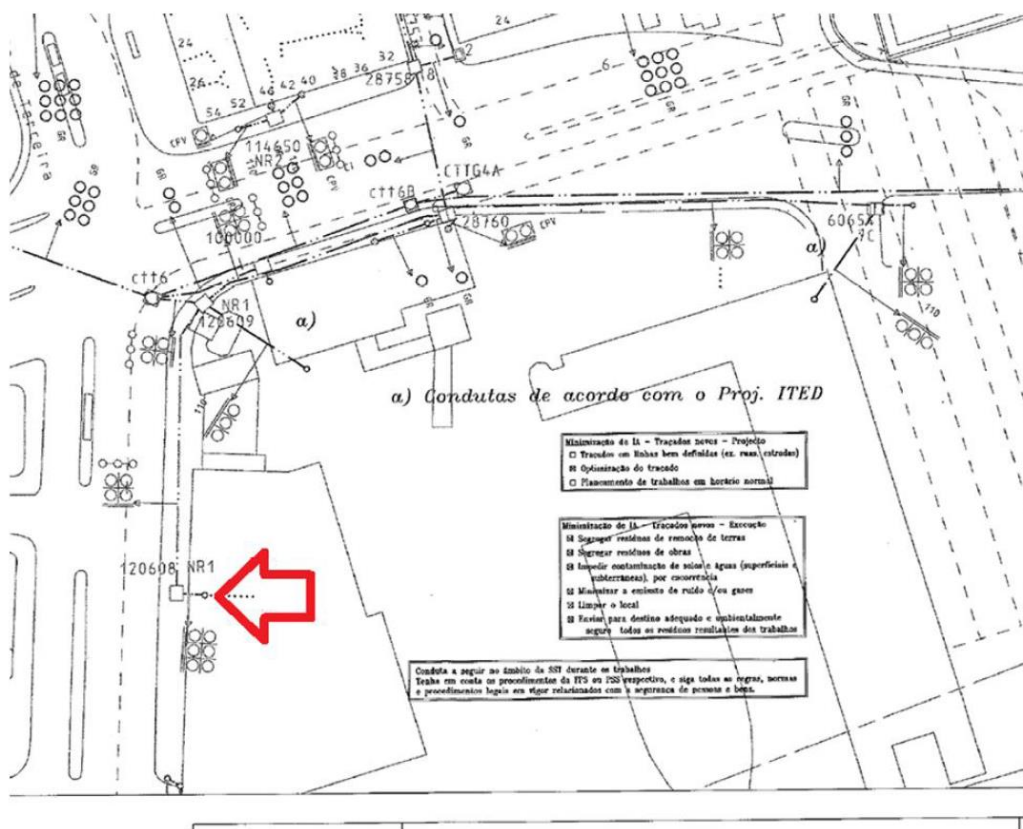
Delivery should be according to the following specs:

On EMSA side: 1 Gigabit RJ-45 connection

On FCCN side: 1 Gigabit Ethernet 1000Base-LX over single-mode fiber. FCCN's equipment port is based on the connector LC/PC.

In case a new fibre pair should be provided, entrance to EMSA is through the following path:

1) **WEST entrance:** physical entrance of it will be from the conducts sited in Cais do Sodré as indicated in the chart below:



The minimum requirements for the proposed solution are:

- 1 Gbps bi-directional connection speed with low latency and high availability, it should be built on a dark fibre, or on a MetroLAN Layer 2 link, or on an equivalent low latency technology
- network availability $\geq 99,9\%$

The tenderer is requested to provide a proposal of no more than 10 pages for the provision of the above described service, providing the following relevant information:

1. an high level schema of the physical circuit on top of which the required link will be provided, which gives an idea of the physical path through the town;
2. description of the customer support services;

- 3. the service levels offered
 - a. technical
 - b. commercial
- 4. a project plan detailing phases and time to deliver the proposed solution.

The tenderer is requested to provide the following relevant information filling the table below:

- 1. guaranteed link availability
- 2. expected latency of the link
- 3. expected packet loss rate of the link

Criteria	Tenderer proposed value	Tenderer additional information if needed
guaranteed link availability		
expected latency of the link		
expected packet loss rate of the link		

3. Contract management responsible body

EMSA – Unit A.3, in charge of Operations Support - will be responsible for managing the contract.

4. Project Planning

The proposed solution should be ready for service i.e. fully operational by 30/09/2017 at the latest.

5. Timetable

The estimated date for signature of the contract is July 2017.

A kick-off meeting to review the proposed implementation plan and to agree on any other detail is foreseen on the second half of July.

The delivery of the working circuit should be made between 13 and 21 of September 2017.

Final solution shall be validated by 30 September 2017.

6. Estimated Value of the Contract

The maximum budget available for this contract is **EUR 20,000.00** excluding VAT for the maximum duration of 4 years - including all renewals and the initial installation costs if foreseen. Installation costs cannot be higher than the cost for 1 year of delivery of the service.

7. Terms of payment

Payments will be made in accordance with the provisions of the draft contract available in the Procurement Section under the call to tender EMSA/NEG/22/2017 on EMSA's website (www.emsa.europa.eu).

8. Terms of contract (purchase order)

When drawing up a bid, the tenderer should bear in mind the terms of the draft contract.

EMSA may, before the contract is signed, cancel the award procedure without the tenderers being entitled to claim any compensation.

9. Subcontracting

If the tenderer intends to either subcontract part of the work or realise the work in co-operation with other partners he shall indicate in his offer which part will be subcontracted, as well as the name and qualifications of the subcontractor or partner. It should be noted that the overall responsibility for the work remains with the tenderer.

The tenderer must provide required evidence for the exclusion and selection criteria on its own behalf and when applicable on behalf of its subcontractors. The evidence for the selection criteria on behalf of subcontractors must be provided where the tenderer relies on the capacities of subcontractors to fulfil selection criteria². The exclusion criteria will be assessed in relation to each economic operator individually. Concerning the selection criteria, the evidence provided will be checked to ensure that the tenderer and its subcontractors as a whole fulfil the criteria.

10. Requirements as to the tender

Bids can be submitted in any of the official languages of the EU. However, as the main working language of the Agency is English, bids should preferably be submitted in English and should in particular include an English version of the documents requested under points 13.5 and 14 of the present tender specifications. The tenderer must comply with the minimum requirements provided for in these tender specifications. This includes compliance with applicable obligations under environmental, social and labour law established by Union law,

² To rely on the capacities of a subcontractor means that the subcontractor will perform the works or services for which these capacities are required.

national law and collective agreements or by the international environmental, social and labour law provisions listed in Annex X to Directive 2014/24/EU of the European Parliament and of the Council.³

The tenderer shall complete the Tenderer's checklist.

If the tenderer intends to either subcontract part of the work or realise the work in co-operation with other partners (Join Offers) he shall indicate it in his offer by completing the form "Information regarding joint offers and subcontracting".

The tender must be presented as follows and must include:

- a) **A signed cover letter** indicating the name and position of the person authorised to sign the contract/purchase order and the bank account on which payments are to be made.
- b) **The Financial Form** completed, signed and stamped. This document is available on the Procurement Section (Financial Form) of EMSA's website (www.emsa.europa.eu).
- c) **The Legal Entity Form** completed, signed and stamped along with the requested accompanying documentation. This document is available on the Procurement Section (Legal Entity Form) of EMSA's website (www.emsa.europa.eu).

Tenderers are exempt from submitting the Legal Entity Form and Financial Form requested if such a form has already previously been completed and sent either to EMSA or any EU Institution. In this case the tenderer should simply indicate on the cover letter the bank account number to be used for any payment in case of award.

Part A: All the information and documents required by the contracting authority for the appraisal of tenders on the basis of the points 9, 12 and 13.2 of these specifications (exclusion criteria).

Part B: All the information and documents required by the contracting authority for the appraisal of tenders on the basis of the **Award Criteria** set out under point **14** of these specifications;

Part C: Setting out prices in accordance with point **11** of these specifications.

11. Price

- a) Price must be quoted for Provision of IP Network Connectivity to the EMSA's Datacentre with the FCCN Research Network and shall include :
 - Installation costs, as in the Appendix A "Financial Proposal" , which shall be included in the first invoice. Installation costs cannot be higher than the cost for 1 year of the service i.e. 12 monthly fees as below.
 - Monthly fee, as in the Appendix A "Financial Proposal" e.g.: price of connectivity services and related equipment – no variable costs depending on link utilisation will be accepted.
- b) Prices must be fixed amounts and non-revisable.
- c) Prices must be quoted in euro.

³ Directive 2014/24/EU of the European Parliament and of the Council of 26 February 2014 on public procurement and repealing Directive 2004/18/EC (OJ L 94, 28.3.2014, p. 65).

- d) Under Article 3 and 4 of the Protocol on the privileges and immunities of the European Communities, the latter is exempt from all duties, taxes and other charges, including VAT. This applies to EMSA pursuant to the Regulation 1406/2002/EC. Therefore price and the amount of VAT must be shown separately.

12. Joint Offer

Groupings, irrespective of their legal form, may submit bids. Tenderers may, after forming a grouping, submit a joint bid on condition that it complies with the rules of competition. Such groupings (or consortia) must specify the company or person heading the project and must also submit a copy of the document authorising this company or person to submit a bid.

Each member of the consortium must provide the required evidence for the exclusion and selection criteria. The exclusion criteria will be assessed in relation to each economic operator individually. Concerning the selection criteria, the evidence provided by each member of the consortium will be checked to ensure that the consortium as a whole fulfils the criteria.

If awarded, the contract will be signed by the person authorised by all members of the consortium. Tenders from consortiums of firms or groups of service providers, contractors or suppliers must specify the role, qualifications and experience of each member or group.

13. Information concerning the personal situation of the tenderer and information and formalities necessary for the evaluation of the minimum economic, financial, technical and professional capacity required.

13.1 Legal position – means of proof required

When submitting their bid, tenderers are requested to complete and enclose the **Legal Entity Form** available on the Procurement Section of EMSA's website (www.emsa.europa.eu).

13.2 Grounds for exclusion – Exclusion criteria

To be eligible to participate in this contract award procedure, a tenderer must not be in any of the following exclusion situations:

- a) it is bankrupt, subject to insolvency or winding up procedures, its assets are being administered by a liquidator or by a court, it is in an arrangement with creditors its business activities are suspended or it is in any analogous situation arising from a similar procedure provided for under national legislation or regulations;
- b) it is subject to a final judgement or a final administrative decision establishing that it is in breach of its obligations relating to the payment of taxes or social security contributions in accordance with the law of the country in which it is established, with those of the country in which the contracting authority is located or those of the country of the performance of the contract;
- c) it is subject to a final judgement or a final administrative decision establishing that it is guilty of grave professional misconduct by having violated applicable laws or regulations or ethical standards of the profession to which the person belongs, or by having engaged in any wrongful conduct which has an impact on its professional credibility where such conduct denotes wrongful intent or gross negligence, including, in particular, any of the following:
 - i. fraudulently or negligently misrepresenting information required for the verification of the absence of grounds for exclusion or the fulfilment of selection criteria or in the performance of a contract;
 - ii. entering into agreement with other persons with the aim of distorting competition;

- iii. violating intellectual property rights;
 - iv. attempting to influence the decision-making process of the contracting authority during the award procedure;
 - v. attempting to obtain confidential information that may confer upon it undue advantages in the award procedure;
- d) it is subject to a final judgement establishing that the person is guilty of any of the following:
- i. fraud
 - ii. corruption
 - iii. participation in a criminal organisation
 - iv. money laundering or terrorist financing
 - v. terrorist-related offences or offences linked to terrorist activities
 - vi. child labour or other forms of trafficking in human beings as defined in Article 2 of Directive 2011/36/EU of the European Parliament and of the Council
- e) the person has shown significant deficiencies in complying with the main obligations in the performance of a contract financed by the Union's budget, which has led to its early termination or to the application of liquidated damages or other contractual penalties, or which has been discovered following checks, audits or investigations by an Authorising Officer, OLAF or the Court of Auditors;
- f) it is subject to a final judgement or a final administrative decision establishing that the person has committed an irregularity within the meaning of Article 1(2) of Council Regulation (EC, Euratom) No 2988/95
- g) for the situations of grave professional misconduct, fraud, corruption, other criminal offences, significant deficiencies in the performance of the contract or irregularity, the applicant is subject to:
- i. facts established in the context of audits or investigations carried out by the Court of Auditors, OLAF or internal audit, or any other check, audit or control performed under the responsibility of an authorising officer of an EU institution, of a European office or of an EU agency or body;
 - ii. non-final administrative decisions which may include disciplinary measures taken by the competent supervisory body responsible for the verification of the application of standards of professional ethics;
 - iii. decisions of the ECB, the EIB, the European Investment Fund or international organisations;
 - iv. decisions of the Commission relating to the infringement of the Union's competition rules or of a national competent authority relating to the infringement of Union or national competition law; or
 - v. decisions of exclusion by an authorising officer of an EU institution, of a European office or of an EU agency or body.

13.3 Declaration of Honour

For this purpose, the Declaration of Honour available in the Procurement Section of EMSA's website (www.emsa.europa.eu) shall be completed and signed.

14. Award criteria

The contract will be awarded to the tenderer who submits the most economically advantageous bid (the one with highest score) based on the following quality criteria and their associated weightings:

1. Quality criterion 1 ($W_1 = 20\%$), "Overall quality of proposed technical solution" referring to the following information to be provided in the bid:

- Guaranteed link availability
 - expected latency of the link
 - expected packet loss rate of the link
2. Quality criterion 2 ($W_2 = 20\%$), “Overall quality of proposed services and delivery plan”

and the price criterion and associated weighting:

3. Price of the bid ($W_{price} = 60\%$). The price of the bid will be determined by the sum of:
- Price covering Installation costs
 - Price covering yearly fee = 12 * Monthly fee

Item	Unit Price (EUR)
a) Installation costs	
b) Monthly fee	
Price of the bid = a + 12 * b	

Please fill in Annex A “Financial proposal” - scenario for evaluation

For all bids evaluators will give marks between 0-10 (half points are possible) for each quality criterion.

The score is calculated as

$$S = SQ + SP$$

where:

The average quality for quality criterion i is

$$Q_i = \frac{1}{\text{number of evaluators}} * \sum_{\text{evaluator}} \text{mark of the evaluator for quality criterion } i$$

The overall weighted quality is

$$Q = \sum_i Q_i * W_i$$

The score for quality is

$$SQ = \frac{Q}{Q \text{ of the bid with highest } Q} * 100 * \sum_i W_i$$

The score for price is

$$PP = \sum_i \frac{\text{lowest Price}_i \text{ of all bids}}{\text{Price}_i} * 100 * W_{\text{Price}_i}$$

Only bids that have reached a minimum of 70% for Q_1 , a minimum of 70 % for Q_2 , will be taken into consideration when calculating the score for quality SQ , score for price SP and score S .

Only bids that have reached a minimum of 70 % for the score S will be taken into consideration for awarding the contract.

15. Rejection from the procedure

Contracts will not be awarded to tenderers who, during the procurement procedure, are in one of the following situations:

- a) are in an exclusion situation;
- b) have misrepresented the information required as a condition for participating in the procedure or have failed to supply that information;
- c) were previously involved in the preparation of procurement documents where this entails a distortion of competition that cannot be remedied otherwise.

16. Intellectual Property Right (IPR)

Please consult the contract for IPR related clauses.

If the results are not fully created for the purpose of the contract this should be clearly pointed out by the tenderer in the tender. Information should be provided about the scope of pre-existing rights, their source and when and how the rights have been or will be acquired.

In the tender all quotations or information originating from other sources and to which third parties may claim rights have to be clearly marked (source publication including date and place, creator, number, full title etc.) in a way allowing easy identification.

Appendix A “Financial Proposal” - scenario for evaluation

Item	Unit Price (EUR)
a) Installation costs	
b) Monthly fee	
Price of the bid = $a + 12 * b$	