



Acquisition Directorate
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NCIA/ACQ/2020/7023
21 September 2020

Notification of Intent to Invite International Competitive Bids for:
**ENHANCEMENT OF AIR INTEGRATED TRAINING CAPABILITY (ITC)
TO DELIVER THE AIR AND MISSILE DEFENCE (AMD) SIMULATION
SYSTEM WITHIN BALLISTIC MISSILE DEFENCE (BMD) INCREMENT
1 FUNCTIONS IN EDUCATION, TRAINING, EXERCISE AND
EVALUATION (ETEE) FUNCTIONAL SERVICES (FS)**

IFB-CO-115113-ETEE

TOTAL ESTIMATED VALUE: EUR 3,763,593

The NCI Agency expects to issue the Invitation for Bid (IFB) in December 2020 with an anticipated contract award in December 2021.

NCI Agency Point of Contact:

Mr Peter Kowalski, Senior Contracting Officer

E-mail: peter.kowalski@ncia.nato.int

To: Distribution List

Subject: **Notification of Intent to Invite International Competitive Bids
for Enhancement of the Air Integrated Training Capability
(ITC) to deliver the Air and Missile Defence (AMD) Simulation
System within Ballistic Missile Defence (BMD) Increment 1
functions in Education, Training, Exercise and Evaluation
(ETEE) Functional Services (FS)**

Reference(s): A. AC/4-D/2261 (1996 Edition)
B. AC/4-DS(2020)0004
C. AC/4-D/2261-ADD2 (1996 Edition)
D. C-M(2002)49

1. In accordance with paragraph 6 (C) of Reference A, the NCI Agency, as Host Nation, hereby gives notice of its intent to issue an Invitation for Bid (IFB) for enhancement of the Ballistic Missile Defence (BMD) Air Integrated Training Capability (ITC) to deliver the Air and Missile Defence (AMD) Simulation System within Ballistic Missile Defence (BMD) Increment 1 functions in Education, Training, Exercise and Evaluation (ETEE) Functional Services (FS).

2. Following the IC authorization in Reference B for the release of the formal Invitation for Bid (IFB), the IFB is currently under preparation and planned to be issued in 4Q 2020.
3. The project will implement an enhancement of the existing Air Integrated Training Capability (ITC) to deliver a new Air and Missile Defence (AMD) simulation version 1.0.
4. The contracted work will be performed in an iterative manner using the agile/Scrum approach for the software implementation portion of the effort. The period of contract performance is anticipated to be approximately four years, including one year of initial operating support.
5. Attached to this letter (Annex A) is a summary of the project's requirements. These requirements are being refined and detailed as part of the preparation of the proposed contract.
6. National authorities and their participating industry shall note that the upcoming IFB for this procurement will contain mandatory compliance criteria which requires Bidders on this project to already possess, and be able to demonstrate, expert knowledge and experience in the simulation of Ballistic Missile Defence. Knowledge of the FLAMES simulation framework will also be required.
7. The reference for the Invitation for Bid is IFB-CO-115113-ETEE, and all correspondence concerning the IFB should reference this number.
8. The estimated investment cost for the services and deliverables included within the basic scope of the intended contract is EUR 3,763,593. In lieu of warranty, 12 months of initial operating support for corrective maintenance to software delivered by the contracted work is included in the scope of the project. Funding for this project is provided by the NATO Investment Committee "at 29B".
9. The NCI Agency will use the International Competitive Bidding (ICB) Procedure, best value (BV) evaluation. The successful bid for the contract, pursuant to the IFB following this NOI, will be the bid which is deemed to offer the **best value** in accordance with predefined bid evaluation criteria, which will be detailed in the IFB. The top-level criteria weightings for both contracts will be 40% Price and 60% Technical.
10. The NCI Agency plans to issue the IFB in December 2020 with a bid closing date after 84 days. Contract award is planned for December 2021. Partial bidding will not be allowed. The expected contract period of performance is from Q4 2021 to Q4 2025.
11. National responsible authorities are kindly requested to provide to the NCI Agency Declarations of Eligibility, not later than **22 October 2020** of qualified and certified firms which are interested in bidding for this project. In addition to the certification of the firm's security clearances required under this NOI, the Declarations of Eligibility should include the following information for each of the nominated firms: Name of the Firm, Telephone number, Fax number, E-mail address and Point of Contact. This information is critical to enable prompt and accurate communication with prospective Bidders and should be sent to the following address:

NATO Communications and Information Agency
Boulevard Leopold III, 1110, Brussels, BELGIUM
Attention: Mr. Peter Kowalski – Senior Contracting Officer, S2/2083

Fax : +32 (0)2 707-8770
E-mail : Peter.Kowalski@ncia.nato.int

12. Bidders will be required to declare a bid validity of eighteen (18) months from closing date for receipt of bids, supported by a Bid Guarantee of EUR 188,000 (one hundred eighty-eight thousand Euro). Should the selection and award procedure exceed the Bid Closing Date by more than eighteen (18) months firms will be requested to voluntarily extend the validity of their bids and Bid Guarantee accordingly. Bidders may decline to do so, withdraw their bid and excuse themselves from the bidding process without penalty.
13. National authorities are advised that; the IFB package is anticipated to be NATO UNCLASSIFIED.
14. With the aim to prevent an organizational conflict of interest in industrial roles under the BMD Increment 1 Functions in ETEE Functional Services project, the NATO authorities authorizing this project have directed that Bidders and their prospective Sub-Contractors shall be excluded from participation in the NCI Agency project under IFB-CO-115115-ETEE entitled "*BMD Increment 1 Functions In ETEE FS - WP4 Operational Assurance & Test*".
15. The successful Bidder will be required to handle and store classified information up to the level of NATO RESTRICTED. In addition, Contractor personnel will be required to work unescorted in Class II Security areas and therefore, in accordance with paragraph 8(b) of Enclosure D of Reference D access can only be permitted to cleared individuals. Only companies maintaining such cleared facilities and the appropriate personnel clearances will be able to perform the resulting contract.
16. Requests for participation in this competition received directly from individual firms cannot be considered.
17. The NCI Agency point of contact for all information concerning this IFB is Mr. Peter Kowalski, Senior Contracting Officer, fax:+32 (0)2 707 8770, email: peter.kowalski@ncia.nato.int
18. Your assistance in this procurement is greatly appreciated.

FOR THE DIRECTOR OF ACQUISITION:

[Original Signed By]

Peter Kowalski
Senior Contracting Officer

Attachment(s):

Annex A - Summary of the Requirements



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Annex A – Summary of the Requirements

1. Introduction

The AMD Simulation system will start from the existing NATO ITC simulation system and deliver a new AMD simulation version 1.0 and the COTS required to operate the simulation federation that will provide the following business services to enable the BMD COI to meet their ETEE requirements:

- BMD Battlespace Simulation Service (Moderate enhancement)
- BMD Modelling and Simulation service. (Major enhancement)
- The simulation Control Service (Major enhancement)
- The simulation composition service (Major enhancement)
- The Battle space information service (Major enhancement)
- The Ground Truth Battlespace Object Services (Major enhancement)
- Logging Service (Major enhancement)

2. Project Scope

This project will deliver working software that implements the full set of application functions associated with the software requirements for the business services mentioned in the introduction. The software will be integrated by the Purchaser into new ITC/AMD simulation system baselines which the Purchaser will deploy for the users. The project will consist of two phases of approximately eighteen (18) months each. The first phase will deliver working software that meets the full set of requirements for the AMD simulation system. The second phase aims to refine the first delivery based on actual usage and on insights gained during the development of the first delivery. The project will support the system training periods and the initial operation of the system after final system acceptance by providing corrective maintenance support for the delivered software.

The delivered software will need to comply with cyber security regulations and with specified coding standards.

The software will be designed and implemented according to the architecture and the technologies specified by the Purchaser using Azure DevOps Services.

The project will be conducted in an agile manner where the contractor shall be expected to perform the roles of scrum master and of coding team.

The project scope includes:

- Project management
- Software Engineering
- Initial support

The majority of the project activities performed by the contractor will be performed at the contractor site.