



NCIA/ACQ/2019/12562

27 August 2019

Notification Of Intent to Invite Bids

**Intelligence Functional Services (INTEL-FS) - Spiral 2
and BMD functions in INTEL-FS**

IFB-CO-14873-INTELF2

Total Estimated Value: EUR 15,800,000

The NCI Agency is planning to issue an Invitation for Bids (IFB) for Spiral 2 of the NATO INTEL-FS capability.

The NCI Agency will award two contracts, each with a separate and distinct scope:

- One for the “Front-end”, or User Interfaces, for the Intel-FS capability;
- One to deliver the “Back-end” data management and integration with other systems.

Bidders are free to bid on either one, or on both. The evaluations will be conducted separately, so a bidder who submits a bid for both contracts may be selected for only one of them.

Estimated Value, Front-End System: EUR 3,900,000
Estimated Value, Back-End System: EUR 11,900,000

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

NCI Agency Point of Contact

Dan Gaertner, Senior Contracting Officer

E-mail: daniel.gaertner@ncia.nato.int



To : See Distribution List

Subject : Notification of Intent to Invite Bids
Intelligence Functional Services (INTEL-FS) - Spiral 2 and BMD
functions in INTEL-FS
IFB-CO-14873-INTELFSS2

Reference(s) : A. AC/4-D/2261 (1996 Edition)
B. AC/4-D(2008)0002-REV2, dated 15 July 2015

1. In accordance with Reference A, the NCI Agency, as the Host Nation, hereby gives notice of its intent to issue an Invitation for Bid (IFB) for Intelligence Functional Services (INTEL-FS) – Spiral 2 and BMD functions for INTEL-FS.
2. A high-level summary of the technical requirements of the Invitation for Bid is set forth in Annex B of this letter. The NCI Agency is refining the requirements and will include more details in the Invitation for Bid.
3. The NCI Agency will award up to two contracts to cover the entire scope of work: one for the “Front-end” of the system and one for the “Back-end”. Bidders are free to bid on either one or on both. The evaluations will be conducted separately, so a bidder who submits a bid for both contracts may only be selected for one of them.
4. The reference for the Invitation for Bid is **IFB-CO-14873-INTELFSS2**, and all correspondence concerning this IFB should reference this number. Please note that the Front-end system is referred to by IFB-CO-14873-INTELFSS2-A; the Back-end system is referred to by IFB-CO-14873-INTELFSS2-B.
5. For the purpose of planning, the estimated cost of the first contract (to deliver the Front-end or User Interfaces for the INTEL-FS capability) is EUR 3.9M, and the estimated cost of the second contract (to deliver Back-end data management and integration with other systems) is EUR 11.9M.
6. For planning purposes, the period of performance of both contracts is expected to be four years, followed by a one-year warranty.
7. The NCI Agency will use the International Competitive Bidding (ICB) Procedure, best value (BV) evaluation, for both of the contracts. The successful bid for the Front-end Contract and the successful bid for the Back-end Contract, pursuant to the IFB following this NOI, will be the bids which are deemed to offer the **best value** in accordance with predefined bid evaluation criteria, which for each contract will be detailed in the IFB. The top-level criteria weightings for both contracts will be 40% Price and 60% Technical.
8. National Responsible Authorities are kindly requested to provide Declarations of Eligibility (DoE) to the NCI Agency, **not later than 1 October 2019**, which is 35 days after the date of this letter, of qualified and certified companies that may be interested in receiving an Invitation for Bid for this project. In addition to the information required

by Section 5, *Eligibility*, of the procedures at Reference A, the DoE should include the following information for each of the nominated companies:

- a) Official company name and address that would be included on a contract.
- b) The mailing address, if different from the corporate address above, that would be used in the event CDs/DVDs or other materials need to be sent by mail.
- c) Company point of contact, telephone number and e-mail address.
- d) The DOE should also state for which of the contracts the bidder is being nominated:
 - IFB-CO-14873-INTELF2-A, Front-end.
 - IFB-CO-14873-INTELF2-B, Back-end.
 - Both contracts.

This information is critical to enable prompt and accurate communication with prospective bidders. The DoE should be sent by email to the following point of contact:

NATO Communications and Information Agency
Attention: Dan Gaertner – Senior Contracting Officer
E-mail: daniel.gaertner@ncia.nato.int

9. Please note that requests for participation in this competition received directly from individual companies cannot be considered.
10. The NCI Agency plans to issue the IFB in January 2020 with a bid closing date after 84 days. Contract awards are planned for December 2020.
11. Bidders, for both contracts, will be required to declare a bid validity of twelve (12) months from closing date for receipt of bids. All bids for the Front-end contract must be supported by a bid guarantee of €75,000; all bids for the Back-end contract must be supported by a bid guarantee of €225,000. If the selection and award procedure exceed the bid closing date by more than twelve (12) months, the NCI Agency may be request firms voluntarily extend the validity of their bids and the bid guarantee accordingly. Bidders may decline to do so, withdraw their bid and excuse themselves from the bidding process without penalty.
12. The National Authorities are advised that the IFB package will be NATO RESTRICTED.
13. The successful bidder may be required to handle and store classified information up to the level of “NATO SECRET”. In addition, execution of the proposed contract may require, in accordance with NATO Security Policy C-M(2002)49, personnel of the successful bidder to be required to hold individual security clearances of “NATO SECRET”. Only firms maintaining such cleared facilities and the appropriate personnel clearances will be able to perform the resulting contract.
14. Please note, that in order to ensure bids are received from qualified companies, it is anticipated that the IFB will contain provisions requiring bidders to clearly demonstrate



in their bid their technical capability and years of relevant experience in the field of web application programming and implementation services.

15. The NCI Agency point of contact for this IFB is Dan Gaertner, who can be reached at e-mail: daniel.gaertner@ncia.nato.int.

16. Your assistance in this procurement is greatly appreciated.

For The Director of Acquisition:

A handwritten signature in blue ink that reads "Daniel H. Gaertner". The signature is written in a cursive style.

Daniel Gaertner
Senior Contracting Officer

Attachments:

Annex A – NOI Summary Information

Annex B – Summary of the Requirements

ANNEX A – Summary Table

Reference #	IFB-CO-14873-INTELF2-A	IFB-CO-14873-INTELF2-B
Description	Front-End	Back-End
Estimated Value	3.9M	11.9M
IFB Release	Q1 2020	Q1 2020
Proposal Phase	84 days	84 days
Contract Award	Q4 2020	Q4 2020
Best Value Evaluation Weightings	60% Technical / 40% Price	60% Technical / 40% Price
Bid Guarantee	€ 75,000	€ 225,000
	Please note that if a bidder submits a bid for both contracts, the total bid guarantee required is € 300,000.	

ANNEX B – Summary of Requirements

IFB-CO-14873-INTELFSS2

Intelligence Functional Services (INTEL-FS) - Spiral 2 and BMD functions in INTEL-FS

1. Background

- 1.1. Delivery of the functionalities of the Intelligence Functional Services (INTEL-FS) capability has been planned to be done in spirals (where each spiral could consist of multiple increments).
- 1.2. INTEL-FS Spiral 1/ Increment 1 was delivered in Q2 of 2016. This first INTEL-FS Spiral/Increment delivered the following functionalities:
 - Initial (All-Source) Analysis Functionality
 - Imagery Management & Reporting
 - Locally-Employed Personnel (LEP) Management
 - Enemy Battlespace Object (BSO) Management
 - Intelligence Requirements Management (IRM), including Request For Information (RFI) Management
- 1.3. INTEL-FS Spiral 2 augmented with BMD functions will be delivered through the contracts referenced in this NOI. The deliverables of INTEL-FS Spiral 2 with BMD functions is defined in *Scope* below.

2. Schedule

- 2.1. It is expected that both the Front-end contract and the Back-end contract will be awarded December 2020 to be effective by 1 January 2021.
- 2.2. Both contracts are expected to follow an agile methodology using sprints and increments where one increment consist of several sprints.
- 2.3. For the Front-end contract, the first incremental delivery to operations is expected within a year and then followed by a second incremental delivery to operations 9 months later. A final operational delivery is estimated to take place in Q3 of 2024.
- 2.4. For the Back-end contract, the first incremental delivery to operations is expected in Q3 of 2022. A final operational delivery is estimated to take place in Q3 of 2024.

3. Scope

- 3.1. INTEL-FS Spiral 2 aims to augment the capabilities delivered in INTEL-FS Spiral/Increment 1 with new functionalities that include:
 - Joint Intelligence, Surveillance and Reconnaissance (JISR) Collection Management;
 - Signal Intelligence (SIGINT) Processing, Analysis, and Dissemination;
 - Interoperability with other NATO functional services and with national systems;
 - Improved (All-Source) Analysis Functionality;

- Initial Joint Intelligence Preparation of the Operational Environment (JIPOE) functionality in support of Ballistic Missile (BM) Defence (BMD) to include Opposing Forces (OPFOR) BM Course of Action (COA) Development, OPFOR BM COA Comparison, OPFOR BM COA Monitoring, and BM Technical Intelligence (TECHINT) Management.
- 3.2. INTEL-FS Spiral 2 will also deliver a technology upgrade that addresses obsolescence issues, that delivers a performant and scalable solution, and that will increase re-use of core Bi-Strategic Command Automated Information System (Bi-SC AIS) software.

4. Technical Constraints

- 4.1. INTEL-FS Spiral 2 shall be able to execute in the NATO virtualized environment either on MS Hyper-V Server 16 (and later) or VMWare ESXi 5.5 (and later) on a 64-bit operating system that is currently available for NATO virtualized servers.
- 4.2. INTEL-FS Spiral 2 shall make use of the new NATO Identity Management services for the user management.
- 4.3. INTEL-FS Spiral 2 shall make use of the new NATO Service Oriented Architecture (SOA) platform and its integration capability (an enterprise service bus) for integration with other external systems.
- 4.4. The User Interface in the Front-end shall be implemented in the Angular web application framework and conform to the NCI Agency developed Human Machine Interface (HMI) Style Guide.
- 4.5. The common NATO geographical viewer (C4ISRviz) shall be integrated into the Front-end user interface.
- 4.6. The Backend shall expose an REST-based application programming interface (API) to the INTEL-FS information repository. The REST API shall comply with the Open Data Protocol (OData) Protocol.
- 4.7. The entire INTEL-FS Information Model shall be modelled in a Model-driven Architecture (MDA) tool, and the API should be fully, or partly, auto-generated by transformations from the information model.
- 4.8. The Back-end solution shall be designed for scalability such that INTEL-FS Spiral 2 can manage trillions of reports while at the same time provide user-acceptable search and retrieval response times.
- 4.9. The software implementation work shall take place in a software factory environment; continuous integration shall be established early and practised throughout the execution of the project.
- 4.10. The contractors may be required to use the NCI Agency software factory environment for the software development.
- 4.11. If not otherwise specified, all the existing functionality from INTEL-FS Spiral/ Increment 1 shall be maintained and ported over to the new Spiral 2 technical platform.

5. Warranty

- 5.1. Following acceptance of the final operational delivery in Q3 of 2024 the project will require:



- One-year warranty for any software procured via present project for the INTEL-FS Spiral 2 Front-end capability.
- One-year warranty for any software procured via present project for the INTEL-FS Spiral 2 Back-end capability.