

**ANNEX A****SUMMARY DESCRIPTION AND COST ESTIMATION OF PRESENT NOTIFICATION****A) GENERAL**

The NATO Support and Procurement Agency (NSPA) has been designated by the NATO Resource Policy and Planning Board (RPPB) as the Host Nation, on behalf of 29 NATO Nations, for the implementation of the following project:

- Serial 2016/OWI27008, Alliance Future Surveillance and Control (AFSC) Project 8 titled "AFSC Risk Reduction/Material Feasibility Study".

The following information contains excerpts from the Statement of Work that will be released during the ICB period:

- The Contracted Engineering Support (CES) contractor shall establish and maintain the capability to support the Phase 2 engineering activities of the AFSC Project Office.
- The Concept Stage Phase 2 activities that shall be supported by CES personnel include:
  - Supporting the execution and assessment of High Level Technical Concept studies;
  - Supporting the preparation of the Statement of Work for Feasibility Studies;
  - Supporting the execution and assessment of Feasibility Studies;
  - Performing additional Engineering Support as required.
- The Contractor shall ensure that engineering expertise is available within the following areas:
  - Technical Risk Assessment:
    - Identification, measurement and assessment of technical risks in large System of Systems development projects including development, integration, deployment, operations and support.
    - Quantitative Risk Analysis providing simulation(s) of project dependencies, risks and assumptions in order to predict ranges related to requirement/schedule changes or cost impacts.
  - Cost Analysis:
    - Development and verification of cost estimates for military C4ISR systems;
    - Cost-Benefit analysis and Cost Effectiveness analysis;
    - Advice on COTS/GOTS/MOTS systems costs, including operation and sustainment of air, ground, maritime, space-based C4ISR systems;
    - Advice on hardware and software development costs
  - C2ISR Systems and Platforms:
    - C2 systems (air, ground, maritime)
    - Surveillance systems (air, ground, maritime, space)
    - C2 operations
    - Surveillance and ISR operations
    - Platforms and platform technologies, including Unmanned Systems
    - Autonomous systems
    - Airworthiness, certification, homologation and legislation
  - Sensors and Data Processing:

- Air and ground 3D long-range surveillance radars
- Imaging radars
- Light detection and ranging (LIDAR)
- Electro optical and multi-spectral sensors
- Acoustic sensors
- Chemical, Biological, Radiological and Nuclear (CBRN) sensors
- Electronic Support Measures (ESM), Electronic Warfare (EW)
- Sensor data processing and management
- Data analysis and decision support
- Standards and interoperability;
- Automatic target recognition and identification
- Machine learning
- Knowledge of Measurement and signature intelligence (MASINT)
  
- Networking and Security:
  - Network design and operations
  - Data management and storage
  - Network security and performance
  - Cyber threats & Cyber Defence
  - Transport protocols
  - Applications
  
- Communications:
  - Military communication systems (air, space, ground, maritime)
  - Satellite communications
  - Tactical Data Links
  - Standards and interoperability;
  - Spectrum requirements
  - Spectrum management
  - Crypto management
  - Security and resilience
  
- Integrated Logistics Support:
  - Identification and analysis of logistics support, manpower and training requirements;
  - Analysis of life-cycle costs;
  - Analysis of (sub-)system sustainability, availability, reliability, and maintainability;
  - Application of NATO and International standards.
  
- System Architecture:
  - Architecture development principles, methodologies and tools;
  - The Open Group Architecture Framework (TOGAF)
  - NATO Architecture Framework (NAF) or similar national or industry standard frameworks.

**B) SPECIFIC TERMS AND CONDITIONS**

**a. DURATION**

3 years after contract award (with an option to extend services if required).

**b. PARTIAL BIDDING**

Partial offers will not be accepted.

c. FOLLOW-ON SERVICES

Requirement for follow-on services to be exercised as an option is included.

d. REQUIREMENTS IN OPTION

Requests for requirements in option may be included.

e. QUALITY ASSURANCE

Requirement for Quality Assurance is included.

f. SECURITY LEVEL REQUIRED

NATO SECRET

g. LANGUAGE

- 1) The "Statement of Work" and subsequent contract will be in the English language.
- 2) Offers and any communication to be made by the Bidders, and any technical data or documentation to be furnished by the Contractor must also be in English.

h. CURRENCY CONVERSION RATES

N/A at this stage.

C) FINAL CONSIDERATIONS

- a. NSPA intends to issue the International Competitive Bidding Package to interested firms at a date yet to be determined, but not before 1 July 2019. The Bidders will be allowed not less than 42 calendar days to reply to the relevant ICB.
- b. The bids to be received in response to the NSPA ICB mentioned above will be valid for a period of no less than 180 calendar days.
- c. The envisioned bidding method is "ICB under NATO Security Investment Programme (NSIP) Regulations".
- d. The information to be provided to the Bidders will be up to NATO RESTRICTED.
- e. Please note that actual quantities to be included in the ICB may vary slightly from those specified in this NOI. Some project deliverables may be included in ICBs as options to be acquired at later stages of the project implementation process.
- f. It is important to note that the HLTC solicitation will be conducted at the same time as CES, therefore the HLTCs awardees cannot be the CES contractor; and the CES contractor cannot be awarded a Feasibility Studies contract in the future.
- g. The CES contractor and its subsidiaries, any entities under the contractor's common control, affiliates and sub-contractors shall have no involvement whatsoever in any AFSC HLTC or feasibility study contracts.
- h. The price not to be exceeded in the bid is set at EUR 3,600,000 for CES including Options.