



NATO UNCLASSIFIED

Acquisition

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NCIA/ACQ/2016/0830

19 February 2016

**Amendment 1 to Notification of Intent to Invite International
Competitive Bids**

**PROVIDE ENTERPRISE NATO PUBLIC-KEY INFRASTRUCTURE (E-NPKI)
Project Reference: IFB-CO-13810-CS**

Estimated Project Value: EUR 20,774,931

The E-NPKI project is intended to provide the Alliance with a set of security services enabling confidentiality, integrity, authentication, and non-repudiation. It will provide the key and information management functions to other CIS (Communication and Information System) security services by means of lifecycle certificate management.

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To : Distribution List

Subject : **Amendment 1 to Notification of Intention to Invite International
Competitive Bids for the Project: PROVIDE ENTERPRISE NATO
PUBLIC-KEY INFRASTRUCTURE CAPABILITY(E-NPKI)**

Reference(s) :
A. AC/4-D/2261 (1996 Edition)
B. AC/4-D/2261-ADD2 (1996 Edition)
C. AC/4-D(2008)0002-REV2
D. E-NPKI TBCE - NC3A/NLO/2012/048, dated 11 May 2012
E. AC/4-DS(2012)0027
F. OC/RPPB(2014)0024, dated 18 March 2014
G. NCIA/ACQ/2015/1143 (NoI) dated 8 June 2015
H. AC/4/(PP)D/26904-ADD1+REV1 / BC-D(2012)0162 + REV1
I. AC/4-DS(2014)0016
J. C-M(2002)49
K. AC/4(PP)D/26904-ADD2 /COR1 + COR2
L. AC/4-DS(2016)0001

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1. In accordance with Ref. A through L, Amendment 1 to the Ref. G Notification of Intent (NoI) dated 8 June 2015 is hereby issued. This NoI Amendment 1 reflects updates in project financial and implementation scope (see Ref. K and L) and provides responsible national authorities the opportunity, if they so desire, to provide additional Declarations of Eligibility to the NCI Agency for firms qualified and interested in bidding against this project.
2. The E-NPKI project is intended to provide the Alliance with a set of security services enabling confidentiality, integrity, authentication, and non-repudiation. It will provide the key and information management functions to other CIS security services by means of lifecycle certificate management.
3. Its infrastructure will be made up of several components: certificate authorities, registration authorities, revocation services, end entity support (tokens, clients, etc.), security and audit tools, software, etc.
4. Attached at this letter at Annex A is a summary, revised and re-issued at this NoI Amendment 1, of the project requirements. These requirements are being further refined and will be detailed as part of the upcoming E-NPKI Invitation for Bid (IFB).
5. The reference for the Invitation for Bid is IFB-CO-13810-CS, and all correspondence concerning the IFB should reference this number.
6. The estimated investment cost for the services and deliverables included within the scope of the intended contract is EUR 13,392,496. The associated operations and support cost is estimated at EUR 7,382,435 over a life of 5 years. The total estimated project value is EUR 20,774,931. Funding for this project is provided by the Investment Committee "at 25".
7. The NCI Agency has been authorised to use the International Competitive Bidding (ICB) Best Value procedures. The successful bid pursuant to this IFB will be that bid which is deemed to offer the best value for money in accordance with predefined bid evaluation criteria which will be detailed in the IFB as prescribed by the Best Value Procedures.
8. Agreed Top level criteria are 50% Price and 50% Technical. The second level Technical sub-criteria are Engineering (25%), Risk (20%), Supportability (30%) and Management (25%).
9. The formal IFB is planned to be issued near the end of Q1 2016 with contract award anticipated in Q1 2017.
10. Industrial nominations already received by the NCI Agency against the Ref. G NoI will be retained and utilized unless instructions to the contrary or other updates are received from participating nations. National responsible authorities are kindly requested, if they wish to update or add to the list of firms already nominated in response to the original NoI issued 8 June 2015, to provide the NCI Agency with Declarations of Eligibility, not later than **17 March 2016**, 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 CI Agency
Boulevard Leopold III
1110 Brussels, Belgium
Attention: Peter Kowalski – Senior Contracting Officer

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

11. It is emphasised that requests for participation in this competition received directly from individual firms cannot be considered.
12. National authorities and their respective industry are advised that the upcoming IFB will contain a requirement that all cryptographic software and hardware proposed to fulfil the requirements shall, at the time of bid submission, have all required approvals from their National CIS Security Authority (NCSA).
13. Bidders will be required to declare a bid validity of twelve (12) months from closing date for receipt of bids, supported by a Bid Guarantee of EUR 150,000 (one hundred and fifty thousand Euro). Should the selection and award procedure exceed the Bid Closing Date by more than twelve (12) 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.
14. National authorities are advised the IFB package is anticipated to be NATO UNCLASSIFIED; however, the bidding and the contractual documents are expected to contain references to other NATO documents classified as "NATO RESTRICTED".
15. The successful Bidder will be required to handle and/or store classified information up to the level of "NATO SECRET" during the execution of the Contract. In addition, contractor personnel will be required to work unescorted in Class II and Class I Security areas and therefore, in accordance with paragraph 8(b) of Encl. D of Ref. J, 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. Please note that it is anticipated that the IFB at the time of its issuance will contain an Organizational Conflict of Interest (OCI) provision to exclude any Bidder who is deemed to be in a position to unfairly influence the IFB as a result of being selected for the work performed or to be performed under other Contracts with

NATO. This project is listed in the Excluded Project List under reference NCIA/EM/NLO/2014/03155 dated 22 July 2014.

17. The NCI Agency point of contact for all information concerning this IFB is Mr. Peter Kowalski (Senior Contracting Officer), email: peter.kowalski@ncia.nato.int.
18. Your assistance in this procurement is greatly appreciated.

FOR THE GENERAL MANAGER:

[Original Signed By]

Peter Scaruppe
Director of Acquisition

Attachment(s):

Annex A: Summary of Requirements

Annex A- Summary of the Requirements Nol Amendment 1

1. Introduction

- 1.1. The E-NPKI project is intended to provide the Alliance with a set of security services enabling confidentiality, integrity, authentication, and non-repudiation. It will provide the key and information management functions to other CIS (Communication and Information System) security services by means of lifecycle certificate management.
- 1.2. Its infrastructure will be made up of several components/services: certificate authorities, registration authorities, revocation services, end entity support (tokens, clients, etc.), security and audit tools, software, etc.

2. Project scope

- 2.1. The E-NPKI project scope spans across the NATO Enterprise.
- 2.2. The E-NPKI architecture will enable the provision of the E-NPKI services to the sites as listed in Appendix A to Annex A.
- 2.3. The Services to be provided by the E-NPKI include (see details in Book II SOW Annex B):
 - 2.3.1. Business Services: CA Service, RA Service, Certificate Status Validation Service, End-Entity Service,
 - 2.3.2. Support Services: Configuration Management Service, Change Management Service, Incident / Problem Management Service.
- 2.4. The E-NPKI project scope will cover 2 networks: ON (Operational Network - NATO SECRET), and PBN (Protected Business Network; combining both NATO RESTRICTED and NATO UNCLASSIFIED security domains).
- 2.5. The E-NPKI project scope will include:
 - 2.5.1. Project management,
 - 2.5.2. Requirements Analysis, System Engineering/Design, Testing, Site Surveys,
 - 2.5.3. Security accreditation,
 - 2.5.4. Site implementation (i.e. E-NPKI components deployment), including transition from Interim-PKI to E-NPKI.
 - 2.5.5. Integrated Logistics Support (ILS),
 - 2.5.6. 5 years of Operation and Support Maintenance support as contract options.

- 2.6. The E-NPKI components will be divided into 2 blocks: back-end components (e.g. Certificate Authorities, Registration Authorities, Online Certificate Status Protocol (OCSP) servers) and front-end components (e.g. certificates, tokens/smartcards, readers).
- 2.7. It must be noted that the implementation of front-end components at some sites¹ is subject to funding authorisation from those sites.

3. E-NPKI Users

- 3.1. The E-NPKI users will be referred to as End Entities. An End Entity may be a person, a hardware device or a software application.
- 3.2. The E-NPKI will generate certificates for the End-Entities. The currently estimated number of certificates is above 100,000² (one hundred thousand).

4. Notional architecture

- 4.1. The E-NPKI capability will be based on 2 levels of CAs deployed within a four-tier architecture.
 - 4.1.1. Tier 1 is the E-NPKI Root CA, which will be deployed and operated by DACAN with a backup Root CA deployed and operated by EUDAC.
 - 4.1.2. Tier 2 will comprise the subordinate CAs operated by NCI Agency.
- 4.2. At Tier 3 are the Registration Authorities which provide the interfaces between End Entities and the CAs for the management of the key and certificate lifecycle.
- 4.3. At Tier 4 are the E-NPKI users, end devices, certificates and associated card readers.
- 4.4. The E-NPKI notional architecture³ is depicted in “Figure 1 - E-NPKI Notional Architecture”.

¹ Namely: New NATO HQ, NAEW&C, STO, NCIA, NSPA, NAGSMA, NAHEMA, NETMA, NAPMA, NATO Defence College, NATO School Oberammergau,

² For information only at this stage. Detailed numbers will be part of the IFB

³ The notional architecture is for information only; the final design from Tier-2 downwards will be proposed by the bidders

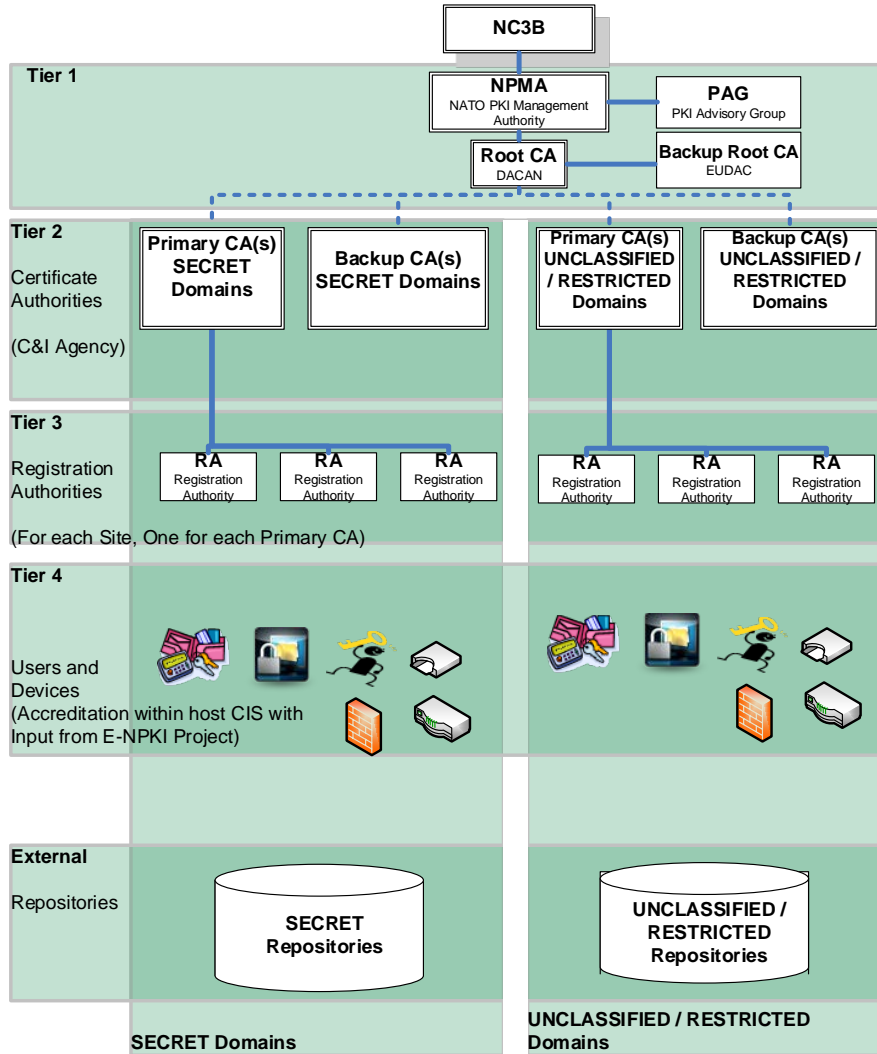


Figure 1 - E-NPKI Notional Architecture

Annex A- Appendix A – List of sites⁴
NoI Amendment 1

Sites

| Site | Country | Location |
|--|-------------|-----------------|
| Civilian structure | | |
| New NATO Headquarter | Belgium | Brussels |
| Military Structure | | |
| Military Committee | Belgium | Brussels |
| DACAN | USA | Maryland |
| EUDAC | UK | London |
| NATO Command Structure | | |
| SHAPE | Belgium | Mons |
| Headquarters Allied Joint Force Command Brunssum | Netherlands | Brunssum |
| Headquarters Allied Joint Force Command Naples | Italy | Naples |
| Headquarters Allied Maritime Command | UK | Northwood |
| Headquarters Allied Land Command | Turkey | Izmir |
| Headquarters Allied Air Command | Germany | Ramstein |
| Allied Combined Air Operations Centre Spain | Spain | Torrejon |
| Allied Combined Air Operations Centre Germany | Germany | Uedem |
| Deployable Air Command - Control Centre | Italy | Poggio Renatico |
| NATO Communications and Information Systems Group HQ | Belgium | Mons |
| 1 st NATO Signal Battalion | Germany | Wesel |
| 1 st NSB - DCM A | Germany | Wesel |
| 1 st NSB - DCM B | Germany | Wesel |
| 1 st NSB - DCM C | Denmark | Haderslev |
| 1 st NSB - DCM D | Germany | Elmpt |
| 1 st NSB - DCM E | Croatia | Pleso |

⁴ (1) the list of sites is liable to change (2) it is not presumed that a physical component should be installed at each site to provide the E-NPKI services to that site

| | | |
|--|----------------|-----------------------|
| 1st NSB - DCM F | Germany | Wesel |
| 2nd NATO Signal Battalion | Italy | Grazzanise |
| 2nd NSB - DCM A | Italy | Grazzanise |
| 2nd NSB - DCM B | Italy | Grazzanise |
| 2nd NSB - DCM C | Italy | Grazzanise |
| 2nd NSB - DCM D | Italy | Grazzanise |
| 2nd NSB - DCM E | Romania | Bucharest |
| 2nd NSB - DCM F | Bulgaria | Gorna Malina |
| 3rd NATO Signal Battalion | Poland | Bydgoszcz |
| 3rd NSB - DCM A | Poland | Bydgoszcz |
| 3rd NSB - DCM B | Czech Republic | Lipnik nad Becvou CZE |
| 3rd NSB - DCM C | Slovakia | Ruzemberok |
| 3rd NSB - DCM D | Lithuania | Vilnius |
| 3rd NSB - DCM E | Hungary | Szekesfehervar |
| 3rd NSB - DCM F | Turkey | Izmir |
| Headquarters Supreme Allied Command Transformation (ACT) | USA | Norfolk |
| ACT Staff Element Europe | Belgium | Mons |
| Joint Warfare Centre | Norway | Stavenger |
| Joint Force Training Centre | Poland | Bydgoszcz |
| Joint Analysis and Lessons Learned Centre | Portugal | Lisbon |
| NATO Force Structure | | |
| NAEW&C E-3A | Germany | Geilenkirchen |
| NAEW&C Turkey | Turkey | Konya |
| NAEW&C Italy | Italy | Trapani |
| NAEW&C Greece | Greece | Aktion |
| NAEW&C Norway | Norway | Oeland |
| AGS Main Operating Base | Italy | Sigonella |
| NATO Joint Electronic Warfare Core Staff (JEWCS) | UK | Yeovilton |
| NATO SOF Headquarters (NSHQ) | Belgium | Mons |
| NATO Intelligence Fusion Centre (NIFC) | UK | Molesworth |
| Other organisations and Agencies | | |

| | | |
|---|------------------------|-----------------------|
| NATO Communications and Information Agency (NCIA) with HQ located at Brussels, Belgium and The Hague | Belgium Netherlands | Brussels The Hague |
| Alternate SOC location | The Netherlands | The Hague |
| NATO Support Agency (NSPA) HQ | Luxembourg | Capellen |
| NATO Support Agency (NSPA) (NATO Pipeline Agency - CEPMA) | France | Versailles |
| NATO Support Agency (NSPA) (NAMA - NATO Airlift Management Agency) | Hungary | Papa |
| Science and Technology Organization (STO), with HQ located at Brussels, Belgium and subordinate elements at various locations | Belgium France | Brussels Paris |
| NATO Alliance Ground Surveillance Management Agency (NAGSMA) | Belgium | Brussels |
| NATO Helicopter Design and Development Production and Logistics Management Agency (NAHEMA) | France | Aix-en-Provence |
| NATO EF2000 and Tornado Development, Production and Logistics Management Agency (NETMA) | Germany | Unterhaching |
| NATO AEW&C Programme Management Agency (NAPMA) | Netherland | Brunssum |
| Centre for Maritime Research and Experimentation (CMRE) | Italy | La Spezia |
| NATO CIS School (NCISS) | Italy or Portugal | Latina or Oeiras |
| NATO Defence College (NDC) | Italy | Rome |
| NATO School, Oberammergau | Germany | Oberammergau |
| Others | | |
| Non-production environment (Reference System, Training system, Testbed) | Various | Various |

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NCI Agency – All NATEXs

NATO HQ

NATO Office of Resources

Management and Implementation Branch – Attn: Deputy Branch Chief

Director, NATO HQ C3 Staff

Attn: Executive Co-ordinator

SACTREPEUR

Attn: Infrastructure Assistant

Strategic Commands

HQ SACT Attn: R&D Contracting Office & Ms. Catherine Giglio

SHAPE

Attn: J2, J4 and J6 1

Attn: Knowledge Management Branch, Group Captain Steve Thornber

NCI Agency

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E-NPKI Project Manager (Mr Cedric Salson)

E-NPKI Technical Lead (Mr Blaine Hein)

Registry