



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Μόνιμη Αντιπροσωπεία της Ελλάδος
στο ΝΑΤΟ

ΑΔΙΑΒΑΘΜΗΤΟ
ΕΠΕΙΓΟΝ

Αρμόδιος: Ασχος (ΜΕ) Δημήτριος Κανταρτζόγλου Βρυξέλλες, 29 Απριλίου 2021
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ΠΡΟΣ: ΥΠΕΘΑ/ΓΔΑΕΕ/ΔΑΕΤΕ (μ.η.)

ΚΟΙΝ.: ΥΠΕΞ/Δ' Γεν. Δ/ντη
ΥΠΕΞ/Δ2 Δ/νση
ΓΕΕΘΑ/Γ2 (μ. ΓΕΕΘΑ)
Υπουργείο Ανάπτυξης
/Γενική Γραμματεία Εμπορίου (μ.η.)
Πλ.Κάνιγγος
Υπουργείο Ανάπτυξης
/Γενική Γραμματεία Βιομηχανίας (μ.η.)
/Δνση Διεθνών Βιομηχανικών Σχέσεων
Πλ.Κάνιγγος
Τεχνικό Επιμελητήριο Ελλάδος
/Δνση Ε Επαγγελματικής Δραστηριότητας, (μ.η.)
Νίκης 4

ΘΕΜΑ: 2^η Τροποποίηση Αίτησης Υποβολής Προσφορών, RFQ-CO-115152-BMD Διαγωνιστικής Διαδικασίας: «Integration test Bed ITB Build 6 (ITB 6) Hardware Upgrades»

1. Διαβιβάζεται, συνημμένως, 2η τροποποίηση αίτησης υποβολής προσφορών (Request for Quotations/RFQ) διαγωνιστικής διαδικασίας Basic Ordering Agreement (BOA), εκ μέρους ΝCΙΑ, ως φιλοξενούντος έθνους.
2. Καταληκτική ημερομηνία υποβολής προσφορών, παραμένει η 6^η Μαΐου τ.έ., 14:00 τ.ώ.
3. Ενδιαφερόμενες εταιρίες αναζητήσουν πληροφορίες μέσω καθοριζομένου σημείου επαφής (Point of Contact/ΠΟC, βλ. παρ. 6 τροποποίησης).
4. Παρακαλούμε για τις ενέργειές σας.

ΛΑΜΠΡΙΔΗΣ

Συν. Σελ: 8

ΑΚΡΙΒΕΣ ΑΝΤΙΓΡΑΦΟ
Η υπάλληλος της Μ.Α. ΝΑΤΟ
Αικατερίνη Νικάκη
ΠΕ ΕΠ&ΠΛ Α'

ΑΔΙΑΒΑΘΜΗΤΟ



Acquisition Directorate
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NCIA/ACQ/2021/06827
28 April 2021

To : Distribution List

Subject : Amendment 2 – RFQ-CO-115152-BMD

NCI Agency Ballistic Missile Defence – Integration Test Bed Build 6 (ITB 6) Hardware Upgrades

References : A. AC/4-2261 (1996 Edition)
B. Issuance of RFQ-CO-115152-BMD dated 06 April 2021
C. Issuance of RFQ-CO-115152-BMD Amendment 1 dated 21 April 2021

1. In accordance with Reference A, the purpose of this Amendment 2 to RFQ-CO-115152-BMD is to respond to the Clarification Requests (CRs) received from Prospective Bidders (Attachment A).
2. For ease of reference, the answers published by this Amendment 2 have been marked using the "track changes" function. The answers to CRs do not result in revision of any the RFQ document.
3. By virtue of this amendment, Attachment A cancels and supersedes any previous version issued in the context of the Request for Quotation in subject.
4. Except as provided in the paragraphs above, all other terms and conditions of the Request for Quotation remain unchanged.
5. The Bid Closing Date for RFQ-CO-115152-BMD, as stated in reference B, remains unchanged as reflected hereafter.
Bid Closing Time for RFQ-CO-115152-BMD is 14:00 (Brussels time) on 06 May 2021.
6. The Purchaser Point of Contact for this procurement is Elif Bailey, who can be contacted on tel. number +32 2 707 2259 or by e-mail: Elif.Bailey@ncia.nato.int.

FOR THE DIRECTOR OF ACQUISITION:

Elif Bailey
Senior Contracting Assistant

Enclosure:

Attachment A: RFQ-CO-115152-BMD – Amendment 2– Answers to Clarification Requests



Distribution List for Amendment 2 to RFQ-CO-115152-BMD

NATO Delegations (Attn: Investment Adviser):

Albania
Belgium
Bulgaria
Canada
Croatia
Czech Republic
Denmark
Estonia
France
Germany
Greece
Hungary
Iceland
Italy
Latvia
Lithuania
Luxembourg
Montenegro
Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Turkey
The United Kingdom
The United States of America

NATO HQ

NATO Office of Resources

Capability Implementation Branch

Attn: Deputy Branch Chief

SACTREPEUR

Attn: Investment Assistant

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Attachment A. Answers to Clarification Requests

RFQ-CO-115152-BMD Amendment 2

28 April 2021

ADMINISTRATION or CONTRACTING					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
A.1	Book I	2.11.	Are bidders allowed to furnish the Bid guarantee also by direct bank deposit? If so, could you please provide necessary data for international bank transfer?	NCI Agency confirms that Bidders are allowed to provide the Bid Guarantee by bank deposit. BANK HOLDER NAME: NCI Agency IBAN: BE98 2100 8194 0093 SWIFT: GEBABEBB BANK NAME: BNP PARIBAS FORTIS. BANK ADDRESS: 3 MONTAGNE DU PARC 1000 BRUSSELS BELGIUM	1

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TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
T.1	Book II	SOW	Can you confirm whether the onsite installation and testing of items is requested or is this the responsibility of the Purchaser?	NCI Agency confirms that the Purchaser will perform installation and testing for Acceptance. There is no Contractor responsibility to install or to test the material at the NCI Agency Site; The Hague.	1
T.2	Book II	SOW Appendix C ITB 6, Table 9	Data Transfer Desktop with CD burner and USB Do you require additional equipment below and if so, its minimal specification: monitor form factor how many ports what kind of fiber optic 1 TB SSD – could you please specify, if self-encrypting, fips, eclypt?	NCI Agency confirms that the Contractor shall deliver tempest tested (B) regular desktop, with QWERTY Keyboard and mouse. Monitor is not required. The desktop shall have : - 4 x USB 3.0 ports - 2 x HDMI or Display Port. - Multi-Mode 1GB. Fiber Optic Port: LC Connector - SSD without encryption	1
T.3	Book II	SOW Appendix C ITB 6, Table 9	Laptop with CD burner Do you require additional equipment below and if so, its minimal specification: <ul style="list-style-type: none"> • screen size • ports • any additional hardware - monitor / kb / mouse / dock 	NCI Agency confirms that the Contractor shall deliver a Laptop of 17", IPS, 4K. Keyboard and mouse are not required. The laptop shall have: - 4 x USB 3.0 Port - 1 x HDMI or Display Port - WIFI - Ethernet - Docking Station - Camera	1

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
T.4	Book II	SOW Appendix C ITB 6, Table 9	Network Switches. How many ports are required for connections to other systems?	<p>NCI Agency confirms that the Contractor shall deliver:</p> <ul style="list-style-type: none"> - 4 x Switches, Layer 3, with minimum 24 Port SFP+ 10GB. - 2 x Stackable (including cables). - 4 x Redundant Power Supply, Hot Swappable. <p>Number of SFP+: Uplinks : 4 SFP+ FO Single-Mode Client side: number and type depends on Contractor's solution.</p> <p>E.g. Rackable Server based solution:</p> <ul style="list-style-type: none"> - 12 SFP+ Copper or FO Multi-Mode - The number and type of SFP+ depends on Contractor's SAN solution <p>E.g. Enclosure/blades based solution</p> <ul style="list-style-type: none"> - 4 x SFP+ Copper or FO Multi-Mode - The number and type of SFP+ depends on Contractor's SAN solution 	1
T.5	Book II	<u>SOW</u> <u>Appendix B</u> <u>TS-30</u>	<u>Do the USB ports need to be USB-A or will USB-C be sufficient on the laptop?</u>	<p><u>NCI Agency confirms that the Contractor shall deliver the laptop with following USB ports:</u></p> <ul style="list-style-type: none"> <u>- 2 x USB-C</u> <u>- 2 x USB-A.</u> 	<u>2</u>

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
<u>T.6</u>	<u>Book II</u>	<u>SOW Appendix B TS-30</u>	<u>On the laptop is UHD+ (3840 x 2160) acceptable or is 4k (4096 x 2160) absolutely required?</u>	<u>NCI Agency confirms that 4K is absolutely required.</u>	<u>2</u>
<u>T.7</u>	<u>Book II</u>	<u>SOW Appendix C ITB 6, Table 9 and T.4</u>	<u>The tender asks for Layer 2, whereas the clarifications specify Layer 3, this would mean servers would not connect to the switches. Can you clarify please?</u>	<u>As a Layer 3 switch, the Agency intends a switch that can perform also (Limited) routing functions in addition to the standard Layer 2 switching functionalities. Servers shall connect to the switches.</u>	<u>2</u>
<u>T.8</u>	<u>Book II</u>	<u>SOW Appendix B TS-14</u>	<u>What is the required method of data redundancy mode? Is mirroring only allowed or is it possible to use erasure coding mode?</u>	<u>NCI Agency confirms that Replication (Mirroring) is the preferred method.</u>	<u>2</u>
<u>T.9</u>	<u>Book II</u>	<u>SOW Appendix C ITB 6 Infrastructure Specification / Table 8 Id #3</u>	<u>48 TB VSAN Redundant configuration means 48 TB of RAW capacity or usable capacity?</u>	<u>NCI Agency confirms that 48 TB VSAN Redundant configuration means 48TB RAW capacity.</u>	<u>2</u>

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
<u>T.10</u>	<u>Book II</u>	<u>SOW Appendix A PFI</u>	<u>Encrypted data at rest is a part of the NetApp PFI specification. Based on this and our previous experiences with NCIA requirements – can we assume that Data Encryption at rest is a requirement for offered storage or VSAN infrastructure? If yes, what layer of the system have to support the encryption required – disk based encryption only (e.g. self-encrypting drives) or encryption at storage/VSAN level?</u>	<u>NCI Agency confirms that no data encryption at rest required.</u>	<u>2</u>
<u>T.11</u>	<u>Book II</u>	<u>SOW Appendix C ITB 6 Infrastructure Specification</u>	<u>What types and quantity of uplinks are used to connect NSWAN, NS CFBLNet and other systems into switches? (Copper, Fiber, Speed, Qty) Referencing to Figure 1 in Section 1.2.1.1</u>	<u>NCI Agency confirms:</u> <u>- 2 x 10 GB per Network.</u> <u>- Copper or Fibber (Multi Mode) up to the Contractor, provided the SFPs for the switches are chosen accordingly.</u>	<u>2</u>
<u>T.12</u>	<u>Book II</u>	<u>SOW Appendix C ITB 6 Infrastructure Specification / Table 9 ITB 6</u>	<u>Laptop with CD burner – would you accept laptop with external CD / DVD burner?</u>	<u>NCI Agency confirms that external CD/DVD is acceptable.</u>	<u>2</u>

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
<u>T.13</u>	<u>Book II</u>	<u>SOW Appendix B TS-16.</u>	<u>Would 2x hot-swappable power supplies (with N+1 redundancy) be acceptable per server enclosure?</u>	<p><u>NCI Agency confirms:</u></p> <p><u>-If the Contractor chooses to offer hypervisors as Rackable Servers, each server must have 2 redundant & hot swappable Powers Supplies.</u></p> <p><u>-If the Contractor chooses to offer hypervisors as Blades Servers, the enclosure as a whole must have 4 redundant & how swappable power supplies.</u></p>	<u>2</u>
<u>T.14</u>	<u>Book II</u>	<u>SOW Appendix B TS-15.</u>	<p><u>If leveraging vsan:</u></p> <ol style="list-style-type: none"> <u>1. Would having 1 disk group per node [4 nodes in total], with a total raw capacity of 46TB RAW be acceptable?</u> <u>2. Ref CPUs. Are single socket servers with an appropriate core count and frequency of 2.7GHz, be acceptable?</u> 	<p><u>NCI Agency confirms:</u></p> <ol style="list-style-type: none"> <u>1. We need to stay consistent with the SOW and be able to compare a VSAN solution to a SAN, so 48 RAW space is the minimum. It is understandable that in a VSAN solution 48TB might not be exactly achievable so the upper next value will be acceptable</u> <u>2. For the Hypervisors NO, dual sockets are required. For the Domain controller a single socket is acceptable.</u> 	<u>2</u>