



Acquisition Directorate
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NCIA/ACQ/2021/06863
 04 May 2021

To : Distribution List
 Subject : Amendment 3 – 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
 - D. Issuance of RFQ-CO-115152-BMD Amendment 2 dated 28 April 2021

1. In accordance with Reference A, the purpose of this Amendment 3 to RFQ-CO-115152-BMD is to:
 - (a) Respond to the Clarification Requests (CRs) received from Prospective Bidders (Attachment A).
 - (b) Extend the Bid Closing date
 - (c) Change the method of Bid Delivery
2. For ease of reference, the answers published by this Amendment 3 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. The Book I, Part I, Bidding Instructions, Section 2, General Bidding Information, paragraph Bid Delivery and Bid Closing of RFQ-CO-115152-BMD as stated in reference B and C is hereby revised as follows:

§	<i>FROM</i>	<i>TO</i>
2.3.1	"14:00 hours (Brussels time) on Thursday 06 May 2021"	"14:00 hours (Brussels time) on Thursday 20 May 2021"
2.3.2	"[...] Bidders are requested to submit their quotation electronically to the following email address: Email: Elif.Bailey@ncia.nato.int "	"[...] Bidders are requested to submit their quotation electronically to the following email address: Email: RFQ-CO-115152-BMD@ncia.nato.int Upon submission of the Bid please send immediately confirmation by separate email to Elif.Bailey@ncia.nato.int"

5. Except as provided in the paragraphs above, all other terms and conditions of the Request for Quotation remain unchanged.
6. After this release, CRs may continue to be answered but the Bid closing date will no longer be extended.



7. 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 3– Answers to Clarification Requests

Distribution List for Amendment 3 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

NATO UNCLASSIFIED

Attachment A. Answers to Clarification Requests

RFQ-CO-115152-BMD Amendment 3

04 May 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
<u>A.2</u>	<u>Book II</u>	<u>Part II Article 11</u>	<u>Will the performance guarantee be kept for the entire period of the contract, which would be the second semester of 2022?</u>	<u>Yes the Agency intends to keep the performance guarantee until the expiration of the warranty period (including the optional periods if exercised).</u>	<u>3</u>
<u>A.2</u>	<u>Book I</u>	<u>2.11.2</u>	<u>Could the amount of the Bid guarantee be adjusted or could the Bid guarantee be removed?</u>	<u>NCI Agency confirms that the amount of Bid guarantee is at the level of assessed risk on the scope of this project and it shall remain.</u>	<u>3</u>

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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	<p>Network Switches.</p> <p>How many ports are required for connections to other systems?</p>	<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	SOW Appendix B TS-30	<p>Do the USB ports need to be USB-A or will USB-C be sufficient on the laptop?</p>	<p>NCI Agency confirms that the Contractor shall deliver the laptop with following USB ports:</p> <ul style="list-style-type: none"> - 2 x USB-C - 2 x USB-A. 	2

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
T.6	Book II	SOW Appendix B TS-30	On the laptop is UHD+ (3840 x 2160) acceptable or is 4k (4096 x 2160) absolutely required?	NCI Agency confirms that 4K is absolutely required.	2
T.7	Book II	SOW Appendix C ITB 6, Table 9 and T.4	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?	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.	2
T.8	Book II	SOW Appendix B TS-14	What is the required method of data redundancy mode? Is mirroring only allowed or is it possible to use erasure coding mode?	NCI Agency confirms that Replication (Mirroring) is the preferred method.	2
T.9	Book II	SOW Appendix C ITB 6 Infrastructure Specification / Table 8 Id #3	48 TB VSAN Redundant configuration means 48 TB of RAW capacity or usable capacity?	NCI Agency confirms that 48 TB VSAN Redundant configuration means 48TB RAW capacity.	2

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
T.10	Book II	SOW Appendix A PFI	<p>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?</p> <p>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?</p>	NCI Agency confirms that no data encryption at rest required.	2
T.11	Book II	SOW Appendix C ITB 6 Infrastructure Specification	<p>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</p>	<p>NCI Agency confirms:</p> <ul style="list-style-type: none"> - 2 x 10 GB per Network. - Copper or Fibber (Multi Mode) up to the Contractor, provided the SFPs for the switches are chosen accordingly. 	2
T.12	Book II	SOW Appendix C ITB 6 Infrastructure Specification / Table 9 ITB 6	<p>Laptop with CD burner – would you accept laptop with external CD / DVD burner?</p>	NCI Agency confirms that external CD/DVD is acceptable.	2

TECHNICAL					
Serial #	RFQ Book	RFQ Section Ref.	Question:	Answer:	Published by Amendment #
T.13	Book II	SOW Appendix B TS-16.	Would 2x hot-swappable power supplies (with N+1 redundancy) be acceptable per server enclosure?	NCI Agency confirms: -If the Contractor chooses to offer hypervisors as Rackable Servers, each server must have 2 redundant & hot swappable Powers Supplies. -If the Contractor chooses to offer hypervisors as Blades Servers, the enclosure as a whole must have 4 redundant & how swappable power supplies.	2
T.14	Book II	SOW Appendix B TS-15.	If leveraging vsan: <ol style="list-style-type: none"> 1. Would having 1 disk group per node [4 nodes in total], with a total raw capacity of 46TB RAW be acceptable? 2. Ref CPUs. Are single socket servers with an appropriate core count and frequency of 2.7GHz, be acceptable? 	NCI Agency confirms: <ol style="list-style-type: none"> 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 2. For the Hypervisors NO, dual sockets are required. For the Domain controller a single socket is acceptable. 	2