



National Transport and Safety Authority

REF: NTSA/ICB-009/ 2017-2018

12th June, 2018

To All Prospective Tenderers,

RE: CLARIFICATION FOR TENDER NO. NTSA/ICB-009/2017-2018; SUPPLY, DELIVERY AND INSTALLATION OF DISASTER RECOVERY SITE/ENHANCED INFORMATION SECURITY SOLUTIONS FOR NATIONAL TRANSPORT AND SAFETY AUTHORITY. ADDEDUM NO. 2

The following clarification is issued regarding the above mentioned tender in accordance with clause 9 of the bidding document.

No.	Clause/Question	Clarification
1.	Virtual machine replication (VMotion) requires layer 2 connectivity between the 2 sites so that when the VM moves the ip address remains the same. Minimum required bandwidth for single VM is 250mbps. 20 mbps requested is not sufficient to achieve VM replication. The network specifications should be advised based on the business and application requirements. Reference: https://kb.vmware.com/s/article/2059921	Our vm's are based on powervm and hyper-v however you can burst the links during the initial replication.
2.	Kindly clarify the firewall distribution between the two sites. For example primary 2 – secondary 1. Are all firewalls DC firewalls or inclusive of the perimeter firewalls.	The perimeter firewalls are separate from DC firewalls. The two for primary working on high availability and one for DR for both.
3.	Kindly clarify the core switch distribution between the 2 sites. With the requirement to support Application Centric Infrastructure(ACI) the switch specification highlighted in the document does not support Application Centric Infrastructure. Kindly advice on this.	The core switch supplied should support ACI. We will have two core switches on primary and one on DC.

4.	Is the access switch specified for the campus or for the Data Centre?	Data Center.
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This addenda forms part of the bidding document and is binding on all bidders. All other terms and conditions of the tender remain the same. Bidders who have already obtained a copy of the bidding document either through hard copy or by downloading from our website are required to immediately acknowledge receipt of this addenda by writing to the undersigned on our email at procurement@ntsa.go.ke

All prospective tenderers are reminded that the Authority will respond in writing to any request for clarification, provided that such request is received no later than five (5) days prior to the deadline for submission of bids.



Joseph K. Bett
For: Director General