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| Altron Questions | Unisa responses |
| 1. Annexure B3 is supposed to provide current hardware components that make up the entire WAN and LAN infrastructure currently at Unisa. However the ANNEXURE B3 document provided only has a single image of the current WAN topology. We need a full kit list breakdown for each site/campus with the quantity and types of switches and switch stacks, fibre links, indoor wireless access points, outdoor wireless access points, routers and wan link bandwidth.
 | Please provide the best fit solution for UNISA and refer to other Annexures |
| 1. Section 13.2.1.5 states “*Campus top level switches must natively manage the wireless network with a minimal value of 1000 access points and 10 000 users, without the need for an additional independent WLAN service blade*”. This goes against vendor best practices and a dedicated Wireless Controller is recommended at this scale. Is this a mandatory requirement of will Unisa be open for dedicated Wireless Controllers in the large campus sites?
 | Provide best fit solution for UNISA |
| 1. Section  12.2.1.9 states “*Campus middle level switch must natively manage configuration of all switches from a master switch within the network, without the need for a controller.*” Please clarify this requirement, are you referring to virtual stacking and/or remote line card options? If the proposed solution is a fully SDN architecture then this point should not be relevant?
 | Provide best fit solution for UNISA |
| 1. Please clarify section 12.2.1.15 Access layer switches must have capability to support uninterrupted POE
 | Please refer to tender documents |
| 1. Section 12.2.1.16 “*POE capability must supported over copper cable over a maximum distance of 150m*”. Cat 5/6 UTP maximum distance is 100m, is the requirement for 150m a typo?
 | Please refer to tender documents |
| 1. For LAN access switches, do you want all access switches to be priced with redundant power supplies?
 | Please provide best solution for UNISA |
| 1. Section 12.2.2 point (h) states a requirement “*Support for Multi-Gigabit Technology or 1Gb, 2,5Gb and 5Gb on CAT5e and CAT6e cables.*”. Do you need all access switches to support Multi-Gigabit speeds across all access ports? Typically Multi-Gigabit ports are used for Wireless Access Point connectivity, can you provide a layout of where each access point connects to on the network? Or should we work on a percentage e.g. 50% of access switches should provide Multi-Gigabit access port speeds?
 | Requirements should be implemented according to the OEM best practice  |
| 1. Do you currently have Cisco ISE deployed? If so, please provide the following:
	1. Quantity and models of ISE hardware appliances
	2. Location of ISE hardware appliances
	3. Quantity and type of ISE licenses
 | Not in Scope |
| 1. For NAC, how many devices (PCs, notebooks, Phones, Printers, Mobile phones, guest devices etc.) need to be catered for? NAC service is typically licensed per device, so we need to know how many licenses to cater for.
 | Not in Scope |
| 1. Explain guest network access requirements for wired and wireless access.
 | Not part of scope  |
| 1. Please provide a topology diagram of the existing LAN infrastructure for each of the campus and remote site LANs indicating Core/Distribution/Access layer switches and fibre (SMF/MMF) uplinks between the layers.
 | See attached |
| 1. Please provide the actual inventory list to be quoted for
 | Please refer to tender document |
| 1. What is the expected storage growth percentage for the next 5 years?
 | Expect growth is 10% annually |
| 1. What is the expected Compute growth percentage for the next 5 years?
 | Expect growth is 10% annually |
| 1. What is the current Backup Software use?
 | Commvault  |
| 1. Would a VMware 6.5 upgrade to vSphere 7 be part of this project?
 | Please provide a solution as per tender requirements  |
| 1. If so are there any dependencies on vSphere 6.5?
 | N/A |
| 1. What version of Windows Server OS is currently running?
 | Not in scope |
| 1. Would there be a requirement for Windows licences?
 | No |
| 1. Would there be a requirement to upgrade any Windows Server OS as part of this project?
 | No |
| 1. If so, are there any application dependencies on specific OS version?
 | N/A |