Eskom	**Group IT Scope of Work** **Internet Bandwidth Management and control**

1. Scope of work/Business requirements

Our current Internet Bandwidth Management devices are coming to END OF LIFE in March 2022. They will need to be replaced with a new product line. A demo will need to be provided by the supplier to prove the functionality requested in the scope below can be accomplished. The purpose of these devices is to protect and provide adequate bandwidth (Guaranteed and Burstable) to configured applications.

The scope of work will include:

1. **Purchase new equipment to replace existing**.

New devices will need to be procured as the current line of devices will be discontinued.

The new devices would need to be:

1.1 3 x high end Physical devices
1.2 1 x Central Management device (Physical or VM). 2 devices if recommended
1.3 Conform to all IEEE network layer 2 and layer 3 standards
1.4 Support 10/40/100Gig interfaces with fibre fail to wire. Multiple ports for redundancy

2. Purchase OEM professional services

2.1 OEM Professional services for 5 years
2.2 OEM Professional services to assist with migration
2.3 OEM professional services for 5 years to assist with Expert level support (80 hours per year) Pay as you use

3. Support and Maintenance for new purchased equipment

3.1 New devices including management will need software, license and hardware support for the duration of the 5 year contract. Including all upgrades, patches, bug fixes and RMA faulty devices.

4. License of All equipment

4.1 License minimum 10 gig and upgradeable to more than 10 gig (must be able to use the license from 1 gig to 10gig). License should not expire.

4.2 Management devices should include license to manage all devices.

5. OEM approved training

5.1 OEM approved training for up to 6 Eskom staff to train on maintaining and operating new devices. Training can be online based.

6. Devices should be able to :

6.1 Allocate guaranteed and burstable bandwidth per application

6.2 Should be able to create folders and parent(main) and child(sub) applications

6.3 It should be able to detect know traffic ports

6.4 Must have a reporting function (Total real time and per application reporting)

6.5 Should be cloud ready for known cloud applications (e.g. O365)

6.6 Should be capable of DDOS detection and mitigation

6.7 DiffServ aware to mark and respond to markings

6.8 Provide Real Time and historical time graphs showing usage

6.9 Provide host IP analysis information

6.10 Compatible with 3rd party monitoring SNMP traps and Triggers

6.11 Syslog capable to export information to 3rd party reporting tools

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DOCUMENT ACKNOWLEDGEMENT

By signing this document, the people listed record their agreement on the contents of this document.

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