

Document Reference	Title	Number Of Pages
	SUPPLY OF VMWARE SOFTWARE LICENSES FOR TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREIN REFERRED TO AS "TPT") AT DURBAN HEAD OFFICE FOR A PERIOD OF THIRTY-SIX (36) MONTH	4
	Total number of pages	4

1. INTRODUCTION

Transnet Port Terminals (TPT) is a division of Transnet SOC. Ltd. TPT manages and operates the sixteen (16) port terminals around the country.

TPT is currently hosting its critical applications on-premises using VMware as their hypervisor.

The VMware uses a hypervisor that is installed on the physical server to allow for multiple virtual machines (VMs) to run on the same physical server. Each VM can run its own operating system (OS), which means multiple operating systems can run on one physical server. All the VMs on the same physical server share resources, such as networking and memory (RAM). VMWare vCenter is used to manage multiple ESXi hosts in each data centre.

TPT organization has policies and procedures in place regarding data backup and recovery activities, auditors provide evidence to senior management that the organization conducts its data protection programs properly.

TPT requests proposals from suitable and accredited Service Providers to provide the VMware software license.

2. BACKGROUND

The VMware software license was purchased as part of the hardware refresh project in 2019, and it has expired.

VMware software allows TPT to create multiple VMs in one hosting physical server and resources, such as memory, are shared amongst the VMs. This enables TPT to reduce the footprint of physical servers.

3. PURPOSE

Request for the purchase of VMware software licenses for a period of thirty-six (36) months.

4. SCOPE OF WORK

- 4.1 The service provider must provide relevant documentation that they are a certified VMware software license distributor.
- 4.2 Duration in which the provider will avail these license renewal keys:
 - The current VMWARE license expired on the 28th of February 2024.
 - The license key will be valid for a duration of 36 months.

5. SPECIFIC DELIVERABLES FOR THE REQUIREMENT

The Service Provider is expected to provide the license keys that allow TPT to be able to use the software product and have support and maintenance from the OEM.

Table 1: Supply of VMware software licenses valid for a period of 3 years.

Item Description	Maintenance Term	License Metrics	Quantity
VMware vSphere Foundation 3 Year subscription (VSP-PL-TD-TL-3P-C) Inclusions: vSphere Enterprise Plus, vCenter Standard, Tanzu Kubernetes Grid, and Aria Suite Standard, Support and Maintenance.	36 months	Subscription (Per Core)	1312

The breakdown of license requirements is as below:

- 5.1 The number of physical servers is twenty-one (21).
- 5.2 Add-on: SRM
- 5.3 Servers are located at different sites as per the tables below.
- 5.4 **Table 2:** Number of CPUs per server

Site Name	No. of Physical Servers	CPU per Server
	4	4
Durban Queens	1	2
Durban Straddle	4	4
Durban Station	4	4
Ngqura Container Terminal	4	4
Cape Town Container Terminal	2	4
Cape Town Multipurpose Terminal	2	4
Total	21	26

- 5.5 **Table 3:** Cores per CPU on each server

Site Name	No. of Physical Servers	CPU per Server	Cores per CPU	VMware Cores Required CPU (16 Cores per CPU)
	4	4	16	256
	1	2	8	32
Durban Straddle	4	4	16	256
Durban Station	4	4	10	256
Ngqura	4	4	10	256
Cape Town Container Terminal	2	4	10	128
Cape Town Multipurpose Terminal	2	4	12	128
Total	21	26	66	1312

5.6 **Table 4:** Number of Cores Required by VMware software

Physical Servers	Physical Servers	CPU Per Server	No. of Cores required by VMWare (cores per CPU)	Cores Per CPU (Physical)	Total
	4	4	16	16	256
Durban Queens	1	2	16	8	32
Durban Straddle	4	4	16	16	256
Ngqura Container Terminal	4	4	16	10	256
Durban Station	4	4	16	10	256
Cape Town Container Terminal	2	4	16	10	128
Cape Town Container Terminal	2	4	16	12	128
Total	21	26	112	82	1312

The Service Provider is required to provide the following as part of the deliverables:

1. Provide the VMware license software keys.
2. Provide all requirements specified as per Section 5 above: Specific Deliverables.
3. Provide replacement keys at no additional costs, should there be challenges in activating the new license keys.