

Document Title	GIT-IN-MEM-0007
Revision	1
Date	2026-09-022

APPROVAL & DISTRIBUTION

	NAME	SIGNED	DATE
Prepared	Michael Beytell Systems Administrator Grout IT	 Signed by Michael Beytell, michael.beytell@necsa.co.za 22/09/2026 08:35:02(UTC+02:00)	22
Checked	Mafa Lebajoa Systems Administrator Group IT	 Signed by Mafa Lebajoa, Mafa.Lebajoa@necsa.co.za 22/09/2026 09:14:18(UTC+02:00)	22 września
Supported	Lebone Phalane ICT Manager Group IT	 Signed by Lebone Phalane, Lebone.Phalane@necsa.co.za 22/09/2026 09:52:41(UTC+02:00)	22
Approved	Daphne Ledwaba General Manager Group IT	 Signed by Daphne Ledwaba, daphne.ledwaba@necsa.co.za 22/09/2026 10:22:52(UTC+02:00)	22
Distribution	SIM Records, Necsa intranet		

OPEN

1 PURPOSE AND SCOPE

The purpose and scope of this tender is to procure enterprise-grade replacement network core infrastructure for ageing equipment that has reached or is approaching the end of its operational and support lifecycle. The procurement will include the supply, delivery of new core network infrastructure to improve network reliability, performance, security, availability and supportability, while reducing the operational risks associated with ageing hardware. The proposed solution must provide resilient and high-performance connectivity, meet the organisation's current and future network capacity requirements, integrate with the existing ICT and network environment, and include appropriate manufacturer warranty, software and firmware support, licensing and technical support.

2 USER REQUIREMENT SPECIFICATION

Area1 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

Area 2 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

Area 3 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

Area 4 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

Area 5 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

Area 6 Core Switch

Item Description	Quantity
Aruba 6410V2 Chassis (R0X25C)	1
Management Module (R0X31A)	2
Power Supply (R0X35A PSU: 1800W at 200–240 VAC, 1100W at 110–127 VAC R0X36A PSU: 3000W at 200–240 VAC, 1500W at 110–127 VAC)	4
48p 1G BASE-T POE MODULES	1
24P 10GB SFP 4P 50G SFP MODULES	1
10GB SFP	8

3 REFERENCES, ABBREVIATIONS AND DEFINITIONS

This document is based on the latest current edition of the references listed below:

- [1] N/A
- [2] N/A

This list contains the abbreviations and definitions used in this document:

ABBREVIATION / ACRONYM	DEFINITION
URS	User requirement specification
SFF	Small form factor
SAS	Serial attached SCSI
SFP	small form-factor pluggable module
FC	Fiber Channel
CPG	Common provisioning group
HDD	Hard disk drive
SAN	Storage area network
HBA	Host bus adapter
Product	Output of an organization that can be produced without any transaction taking place between the organization and the customer
Risk	Effect of uncertainty
Efficiency	Relationship between the result achieved and the resources used
Effectiveness	Extent to which planned activities are realized and planned results are achieved

4 RESPONSIBILITIES

The following are assigned responsibilities within this document:

- The PROCESS OWNER or MANAGER shall establish the procedure to ensure process steps and activities are documented correctly.
- TEAM LEADERS and SUPERVISORS shall implement and maintain the procedure, identify gaps and take appropriate action to ensure compliance.
- EMPLOYEES shall adhere to the requirements as set out in this document.

5 LIST OF FORMS

No forms are required for the implementation of this document.

6 RECORDS

The following records are generated through the implementation of this document and are controlled in accordance with the relevant procedure.

RECORD	PROCESS OWNER	LOCATION	RETENTION PERIOD
Record Title	Job Title: SIM	SIM Records	5 years

REVISIONS

This document has been revised in accordance with the following schedule:

Rev. No.	Date approved	Nature of Revision	Prepared
1	See title page	First issue	