**RFI SPECIFICATION** 

COVER PAGE (SUMMARY)

**BIDDERS MUST SUBMIT ANNEXURE 1 TOGETHER WITH THE INVITATION TO BID DOCUMENT**

|  |  |
| --- | --- |
| **RFI No:** | **RFI 2723/2022** |
| **Description** | **Request for information (RFI) for provision of maintenance and support products within the mainframe z/OS and z/VM environment.** |
| **Publication Date** | **12 April 2023** |
| **Virtual Vendor Briefing Session**  | **A Non-Compulsory Virtual Briefing Session will be held as follows:****Date:** **20 April 2023****Time: 11h00 am (South African Time)****Venue: Online (Teams)** **Link:** [**Click here to join the meeting**](https://teams.microsoft.com/l/meetup-join/19%3Ameeting_NjY4ZDllOTEtMjNkNi00MmM5LWI0MmMtMzA3YWIyNmZhNjkz%40thread.v2/0?context=%7b%22Tid%22%3a%2248cd5724-88c7-48c3-a665-945436edd7fc%22%2c%22Oid%22%3a%22d16c4658-8ada-4d14-9384-5a456245c314%22%7d) |
| **Closing Date for questions / queries** | **Date: 02 May 2023** |
| **Proposal Submission Address**  | **Proposals will be accepted electronically via the following email address:** **tenders@sita.co.za** |
| **RFI Closing Details and Address** | **Date:** **09 May 2023****Time: 11h00 am (South African Time)****Email:** **tenders@sita.co.za** |
| **RFI Validity Period** | **N/A**  |

**PROSPECTIVE RESPONDENTS MUST REGISTER ON NATIONAL TREASURY’S CENTRAL SUPPLIER DATABASE PRIOR TO SUBMITTING RESPONSES.**

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1. INTRODUCTION

# PURPOSE AND BACKGROUND

## PURPOSE

The purpose of this Request for Information (RFI) is to invite suppliers (hereinafter referred to as “bidders”) to submit information onthe software products for z/OS and z/VM Applications in the Mainframe environment.

This RFI is solely for information gathering purpose and NOT to select or an award. The information collected in this fashion will not be used to lead to sourcing from one supplier only nor will it be used to write the ultimate specification in a matter that would suit just one specific supplier.

SITA is gathering information on what solutions are available in the market, what specifications the products have, the availability of the products in the market place, and the possible indicative pricing and timing of delivery of such solution, for the deployment of the following software products for z/OS and z/VM Applications in the Mainframe environment as per the specifications.

## BACKGROUND

SITA has a well-established Mainframe environment. The ecosystem is comprised of few Applications variants, each with their own purpose stack, that delivers scalable mainframe services to our clients.

## OBJECTIVE

The respondents to the Request for Information (RFI) are requested to submit detailed information for some or all of the following software products for z/OS and z/VM Applications in the Mainframe environment as per the specification:

1. Tape Library Management Software
2. Workload Automation Software
3. Workload Automation Restart Software
4. Automated Archival and Retrieval Software
5. Remote Printing Management Software
6. SNA Network Monitoring Software
7. Data Transfer Management Software
8. Security Management Software
9. z/VM Management Software
10. z/Os Performance Monitoring and Management Software

# CONFIDENTIALITY

1. The information contained in this document is of a confidential nature, and must only be used for purposes of responding to this RFI. This confidentiality clause extends to all respondent(s) or associates whom you may decide to involve in preparing a response to this RFI.
2. For purposes of this process, the term “confidential information” shall include all technical and business information, including, without limiting the generality of the foregoing, all secret knowledge and information (including any and all financial, commercial, market, technical, functional and scientific information, and information relating to a party’s strategic objectives and planning and its past, present and future research and development), technical, functional and scientific requirements and specifications, data concerning business relationships, demonstrations, processes, machinery, know-how, architectural information, information contained in a party’s software and associated material and documentation, plans, designs and drawings and all material of whatever description, whether subject to or protected by copyright, patent or trademark, registered or un-registered, or otherwise disclosed or communicated before or after the date of this process.
3. The receiving party shall not, during the period of validity of this process, or at any time thereafter, use or disclose, directly or indirectly, the confidential information of SITA or the client (even if received before the date of this process) to any person whether in the employment of the receiving party or not, who does not take part in the performance of this process.
4. The receiving party shall take all such steps as may be reasonably necessary to prevent SITA and the client confidential information coming into the possession of unauthorised third parties. In protecting the receiving party’s confidential information, SITA and the client shall use the same degree of care, but no less than a reasonable degree of care, to prevent the unauthorised use or disclosure of the confidential information as the receiving party uses to protect its own confidential information.
5. Any documentation, software or records relating to confidential information of SITA or the client, which comes into the possession of the receiving party during the period of validity of this process or at any time thereafter or which has so come into its possession before the period of validity of this process:
	1. Shall be deemed to form part of the confidential information of SITA or the client;
	2. Shall be deemed to be the property of SITA or the client;
	3. Shall not be copied, reproduced, published or circulated by the receiving party unless and to the extent that such copying is necessary for the performance of this process and all other processes as contemplated in; and
	4. Shall be surrendered to SITA or the client on demand, and in any event on the termination of the investigations and negotiations, and the receiving party shall not retain any extracts.

# Precedence of documents

* 1. This RFI consists of a number of sections. Where there is a contradiction in terms between the clauses, phrases, words, stipulations or terms and herein referred to generally as stipulations in this RFI and the stipulations in any other document attached hereto, or the RFI submitted hereto, the relevant stipulations in this RFI shall take precedence.
	2. Where this RFI is silent on any matter, the relevant stipulations addressing such matter and which appears in the SITA Procurement Policy and Procedures shall take precedence. RFI shall refrain from incorporating any additional stipulations in its RFI submitted in terms hereof other than in the form of a clearly marked recommendation that SITA may in its sole discretion elect to import or to ignore. Any such inclusion shall not be used for any purpose of interpretation unless it has been so imported or acknowledged by SITA.
	3. It is acknowledged that all stipulations in the SITA Procurement Policy and Procedures are not equally applicable to all matters addressed in this RFI. It however remains the exclusive domain and election of SITA as to which of these stipulations are applicable and to what extent. The bidders are hereby acknowledging that the decision of SITA in this regard is final and binding. The onus to enquire and obtain clarity in this regard rests with the bidders. The bidders shall take care to restrict its enquiries in this regard to the most reasonable interpretations required to ensure the necessary consensus.

# Briefing and information session

* 1. A Non-compulsory virtual briefing session will be held on 17 April 2023.
	2. Bidders who respond to this RFI may be requested to give an oral presentation.

# Submission of documents

* 1. Bidders shall submit RFI response in accordance with the prescribed manner of submissions as specified below.
	2. RFI responses must be submitted electronically to SITA at Tenders@sita.co.za on or before 08 May 2023 not later than 11h00 South African Standard Time (UTC+2).
	3. Respondents are requested to complete their responses in electronic format, in the spaces provided for answers within this document.
	4. All additions to the information documents i.e. appendices, supporting documentation, photographs, technical specifications and other support documentation covering suggested solutions etc. shall be submitted as part of this RFI. No product information or company profiles will be considered.
	5. No information shall be accepted by SITA if submitted in any manner other than as prescribed above.
	6. SITA will not be liable for any costs incurred by the respondents in the preparation of response to this RFI. The preparation of responses will be made without obligation to accept any of the suggestions included in any response, or to discuss the reasons why such suggestions were accepted or rejected.

# TECHNICAL INFORMATION REQUEST

* 1. In the submission to the Request for Information the responded are requested to submit detailed information including costing model, for the implementation of some or all of the following software products for z/OS and z/VM Application solutions. Detailed information (architecture) for the implementation of the solution must be included with the following requirements.

### Requirements

#### Tape Library Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will simplify and unify the management and protection of z/OS tape data sets and volumes.

### Requirements

Tape library management. Functionality includes:

* Track tape datasets, and the tapes that they are on.
* Prevent tapes with current data being overridden
* Specifying tape dataset retention periods.
* Produce reports, including listings of tapes to be taken offsite or brought back onsite, and scratch tapes.
* Manages all aspects of tape handling through flexible retention, extensive vaulting capabilities and efficient tape cycling to and from one or more offsite locations.
* Controls and protects z/OS tape datasets and volumes. It automates tape management tasks while protecting against the inadvertent destruction of tape files and features and providing comprehensive tape library inventory and audit tracking, including offsite vaults and utilities for controlling tape and catalog maintenance activities.

#### Workload Automation Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide our z/OS Schedulers a Workload Automation tool.

### Requirements

* Must be easy to build, define, schedule, manage, and monitor production workflows, ensuring visibility, reliability, and improving SLAs.
* Must coordinate the execution of sequence of batch workloads.

####  Workload Automation Restart Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide our z/OS Schedulers with a Workload Automation Restart Tool.

### Requirements

* Tool must be able to reduces or eliminates restart errors by recording information about batch jobs as they execute, and uses this data to accurately rerun jobs from the failing step, and not necessarily from the beginning when necessary.
* Job tracking and analysis feature that determines the causes of reruns to help eliminate recurring problems.

#### Automated Archival and Retrieval Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide them with an automated archival and retrieval system that provides immediate and flexible online viewing of mainframe and distributed output.

### Requirements

* System to automatically archive output reports and data. Includes facilities for report viewing, security, backup and printing.
* Provides immediate and flexible online viewing of mainframe and distributed output.
* Repository is capable of housing many types of documents and file types to give you an easy mechanism for selectively viewing and managing a variety of data types.

#### Remote Printing Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide a solution that securely manages your business-critical print and report delivery requirements across networks, platforms, and locations.

### Requirements

z/OS based software to manage remote printing.

 Features:

* Manage remote printers on and off the mainframe, including SNA and TCP/IP.
* Route JES output to any managed remote printer, both on and off the mainframe.
* API for applications to route print output.
* Virtual Printer Interface - takes print output directed to a VTAM printer from [CICS](http://www.lookupmainframesoftware.com/soft_detail/dispsoft/20) or [IMS](http://www.lookupmainframesoftware.com/soft_detail/dispsoft/1547), and routes to any Spool managed printer
* Conversion to PDF, Text, HTML and RTF
* Email print driver
* Web interface

####  SNA Network Monitoring Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide our VTAM (Virtual Telecommunications Access Method) application that monitors host and network performance.

**Requirements**

* Monitor of SNA network performance. Provides information on SNA resource status, and network traffic and response times, and NCP statistics.

#### Data Transfer Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide high-performance, reliable data transfer across heterogeneous platform environments.

### Requirements

* Software for peer-to-peer file transfer between mainframes and many other platforms, including Microsoft Windows, UNIX and Apple. Transfers can occur over SNA or TCP/IP.
* Solution must offer data encryption for enhanced protection and privacy.
* Extensive audit logs, problem determination capabilities, and application level acknowledgments between systems.
* Transfer information is captured and notifications are delivered to the designated sending and receiving parties.
* Automated error recovery allows for a transfer restart caused by an unexpected failure.

#### Security Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, a Security Manager for the mainframe that will manage the digital identities of users, devices and applications accessing resources, and the underlying policies and processes that govern how those entities interact with the organization.

### Requirements

* Integrated security for z/OS, USS, and zLinux on the mainframe for user authentication.
* Built in administration with robust security administration capabilities provided through panels in TSO.
* Role-based access controls.
* Easily determine who has access to data and resources.
* Simulated security testing of changes to ensure that a change will deploy without incurring an outage.

#### z/VM Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide our z/VM systems management tasks such as operations and tape management, performance management and recovery management.

### Requirements

* z/VM automation solution. Automatically performs tasks based on z/VM and z/Linux console messages.
* Security product for z/VM.
* z/VM Spool space management. Monitors spool usage, and provides backup, recover and administration of spool files.

#### z/Os Performance Monitoring and Management Software

SITA is looking to deploy an enterprise tool, hosted in the Mainframe environment, that will provide us with a z/OS performance monitoring and management solution for your z/OS system environment.

### Requirements

* Provides 24x7 monitoring of your mainframe environment and critical business transactions, with options to monitor CICS, IBM MQ, IMS, TCP/IP, Datacom and IDMS.
* Dynamic alert and notification options.

###  Specification list for each software product

Table 1 – Mainframe software products requirements

| **Requirement** | **Response from supplier** | **Yes** | **No** |
| --- | --- | --- | --- |
| Tape LibraryManagement Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**.  |  |  |
|  | * **Track tape datasets, and the tapes that they are on.**
* **Prevent tapes with current data being overridden**
* **Specifying tape dataset retention periods.**
* **Produce reports, including listings of tapes to be taken offsite or brought back onsite, and scratch tapes.**
* **Manages all aspects of tape handling through flexible retention, extensive vaulting capabilities and efficient tape cycling to and from one or more offsite locations.**
* **Controls and protects z/OS tape datasets and volumes. It automates tape management tasks while protecting against the inadvertent destruction of tape files and features and providing comprehensive tape library inventory and audit tracking, including offsite vaults and utilities for controlling tape and catalog maintenance activities.**
 |  |  |
| Workload Automation software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Must be easy to build, define, schedule, manage, and monitor production workflows, ensuring visibility, reliability, and improving SLAs.**
* **Must coordinate the execution of sequence of batch workloads.**
 |  |  |
| Workload Automation Restart software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Tool must be able to reduces or eliminates restart errors by recording information about batch jobs as they executes, and uses this data to accurately rerun jobs from the failing step, and not necessarily from the beginning when necessary.**
* **Job tracking and analysis feature that determines the causes of reruns to help eliminate recurring problems.**
 |  |  |
| Automated archival and retrieval software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **System to automatically archive output reports and data. Includes facilities for report viewing, security, backup and printing.**
* **Provides immediate and flexible online viewing of mainframe and distributed output.**
* **Repository is capable of housing many types of documents and file types to give you an easy mechanism for selectively viewing and managing a variety of data types.**
 |  |  |
| Remote printing management software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Manage remote printers on and off the mainframe, including SNA and TCP/IP.**
* **Route JES output to any managed remote printer, both on and off the mainframe.**
* **API for applications to route print output.**
* **Virtual Printer Interface - takes print output directed to a VTAM printer from CICS or IMS, and routes to any Spool managed printer**
* **Conversion to PDF, Text, HTML and RTF**
* **Email print driver**
* **Web interface**
 |  |  |
| SNA Network Monitoring Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Monitor of SNA network performance.**
* **Provides information on SNA resource status, and network traffic and response times, and NCP statistics.**
 |  |  |
| Data Transfer Management Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Software for peer-to-peer file transfer between mainframes and many other platforms, including Microsoft Windows, UNIX and Apple. Transfers can occur over SNA or TCP/IP.**
* **Solution must offer data encryption for enhanced protection and privacy.**
* **Extensive audit logs, problem determination capabilities, and application level acknowledgments between systems.**
* **Transfer information is captured and notifications are delivered to the designated sending and receiving parties.**
* **Automated error recovery allows for a transfer restart caused by an unexpected failure**
 |  |  |
| Security Management Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Integrated security for z/OS, USS, and zLinux on the mainframe for user authentication.**
* **Built in administration with robust security administration capabilities provided through panels in TSO.**
* **Role-based access controls.**
* **Easily determine who has access to data and resources.**
* **Simulated security testing of changes to ensure that a change will deploy without incurring an outage.**
 |  |  |
| VM: Manager for Linux on Sys Z – z/VM Management Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **z/VM automation solution. Automatically performs tasks based on z/VM and z/Linux console messages.**
* **Security product for z/VM.**
* **z/VM Spool space management. Monitors spool usage, and provides backup, recover and administration of spool files.**
 |  |  |
| z/OS Performance Monitoring and Management Software | Provide information for this software product**. If yes, please provide feedback on the bulleted items below**. |  |  |
|  | * **Provides 24x7 monitoring of your mainframe environment and critical business transactions, with options to monitor CICS, IBM MQ,IMS ,TCP/IP, Datacom and IDMS.**
* **Dynamic alert and notification options**
 |  |  |

**Software Maintenance and Support Options**

All required licencing must be clearly stipulated in the proposal, providing the following options:

|  |  |
| --- | --- |
| **Feature** | **Validity Period Options** |
| Software Support and Maintenance | 12 Months 🗹 | 24 Months 🗹 | 36 Months 🗹 |

## INTEGRATION REQUIREMENTS

* **The product/tool should:**
* be designed to be integrated into z/OS system
* be able to minimize the Business interruptions
* be able to increase productivity and efficiency.

## TRAINING

The bidder must include all details on the training and/or skills transfer availability on the proposed solutions.

# Contact details

The following contact details are applicable:

1. For general enquiries contact Lunathi.Mqalo@sita.co.za
2. For technical enquiries contact Hugo.Burger@sita.co.za or Fredre.Erasmus@sita.co.za
3. Terms and definitions

# ABBREVIATIONS

ICT Information and Communication Technology

SITA State Information Technology Agency

1. DEFINITIONS

|  |  |
| --- | --- |
| “Yes” | Indicates that this software is available in included in the supplier response. Provide confirmation that the listed features are available, subject to verification. |
| “No” | Indicates that this software is not available and excluded from the supplier response.  |