



## INVITATION TO TENDER

### REPLACEMENT FOR ORACLE HIERARCHICAL STORAGE MANAGEMENT SOFTWARE

**CLOSING DATE FOR RESPONSES – 12 NOON, MONDAY 28 OCTOBER 2019**

### CLARIFICATION QUESTIONS AND RESPONSES

The National Archives has received a number of questions relating to the above opportunity. Those questions, and their associated responses, can be found below.

**Q1:** *What is the manufacturer/model of the primary storage servers?*

**A1:** As stated in the ITT, the current primary storage servers are two Sun Servers X3-2L from Oracle. The intention is to replace these at some point in the future. Potential suppliers are requested to highlight any specific server hardware dependencies in their proposed solution.

**Q2:** *What Operating System and version is proposed (eg Windows etc)*

**A2:** The current operating system used is Solaris 11.3. The organisation also has existing systems based either on Windows 10 or Red Hat Enterprise Server operating systems so we are open to change in this area. As stated in the ITT, potential suppliers are requested to highlight any specific software dependencies in their proposed solution.

**Q3:** *Please confirm that the STK libraries are accessed via NFS or CIFS*

**A3:** The StorageTek SL3000 Library is currently connected to the servers via 2 x Brocade 300 (24-port) switches to form an FCAL Storage network with dual redundant paths.

**Q4:** *Data and Data Migration: What is the format of the data?*

**A4:** Data awaiting processing is stored in the system in encrypted tar balls (.tar.gpg). Data held in our digital preservation system is in a wide variety of formats, including image, text and video files such as .jpg, .jpg2, TIFF, .doc, .pdf, .txt, .xls, .wav, .mp4, .mxl, to name but a few.

**Q5:** *Data and Data Migration: Is a copy of a typical file available for analysis?*

**A5:** A list of the data formats involved and some sample data for analysis will be provided to short-listed suppliers. To enable your response to the ITT within the set timescales, please give an overview of the migration process envisaged, the resources required (both yours and TNA's) and provide an estimate for the migration price, detailing any assumptions made in your resourcing/pricing..

**Q6:** *Data and Data Migration: Is a schema for the data format available?*

**A6:** As stated above, a wide variety of formats are held in native format in the system.

**Q7:** *What is the current size of the data store (not the capacity of the STK Libraries but the archived data)?*

**A7:** There is approximately 3PB of data under management in the system.

**Q8:** *OHSM provide not only the HSM but also the library robotic drivers and the NFS interface. Will the client re-purpose the STK Library to provide a NFS or other type of interface? If so, what type?*

**A8:** As stated above, the StorageTek SL3000 Library is currently connected to the Sun Servers X3-2L via 2 x Brocade 300 (24-port) switches to form an FCAL Storage network with dual redundant paths. We plan to replace the Sun Servers X3-2L and potentially the Brocade switches but we would expect that the set up would be similar.