
TO: All Bidders
FAO Sales Managers

FROM: Courtney Linley
Chief, Procurement Section

DATE: 9 January 2018

REF.: RFP No. 2017-0269/JIBRIL

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SUBJECT: **Clarifications No.1 – RFP No. 2017-0269/JIBRIL**
Provision of Backup and Recovery Solution for the Office Automation
Network.

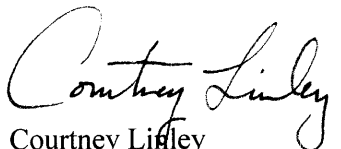
Dear Sales Manager,

Please find attached responses to queries raised by interested bidders in respect of RFP No. 2017-0269/JIBRIL (“Provision of Backup and Recovery Solution for the Office Automation Network”).

Please take these responses into account in the preparation and submission of your proposal.

We are looking forward to receiving your proposal prior to the submission deadline on 22 January 2018, 17:00 hours, Vienna (Austria) local time.

Kind regards


Courtney Linley
Chief, Procurement Section

Item#	Question	Answer
1	<p>Reference to the Terms of Reference Section 5.1.1 – point No. 8.</p> <p>Where shall those image-based replicas being stored? On a VMware/Hyper-V datastore or on the backup storage target?</p>	<p>The replicas have to be stored and registered on a target virtual environment in a way that they are ready to be started. The target virtual environment is provided by the CTBTO and is not part of this procurement.</p>
2	<p>Reference is made to the Terms of Reference Section 5.1.1 – point No. 11.</p> <p>VMware replication is not part of the standard backup process and therefore there is no integration between backup and replication to verify the status of a restore point. Please clarify.</p>	<p>The backup replica should be tested automatically by the backup software in order to ensure that the replicated VM really works when booted up. In order to do so the backup software has to be able to create an isolated virtual environment where the VM backup is started and to test it with several methods like e.g. heartbeat tests or tests of an application status. Afterwards the whole test environment has to be cleaned up automatically and a backup state report has to be created.</p>
3	<p>Reference is made to the Terms of Reference Section 5.1.1 – point No. 11.</p> <p>Are you looking for a combined backup and replication solution or what is your expectation to successfully meet your demand?</p>	<p>The backup solution has to be able to provide not only backup functionality but a certain replication functionality as well, as described in the software specification in the Terms of Reference.</p>
4	<p>Reference is made to the Terms of Reference Section 5.1.1 – point No. 12.</p> <p>Would a solution where you can run multiple VMs from the backup storage with automatic datastore provisioning and integration fulfill your requirements?</p>	<p>The Commission wants to be able to boot VMs from a backup or replica in an isolated virtual environment without the need to provision additional storage space or a spare host, directly by using the functionality of the backup software. This isolated environment would be used to test or troubleshoot functionalities without interfering with the production VMs.</p>
5	<p>Reference is made to the Terms of Reference Section 5.2.2.</p> <p>Can the demanded capacity of 75TB be attached externally to</p>	<p>In case the hard discs needed to provide the capacity do not fit into a standard hardware case of a server they can be provided in a disc extension externally in another hardware case. It is important that this hardware disc extension is from the same manufacturer as the server hardware and designed</p>

	the requested Staging server?	and approved to work with the server hardware by the manufacturer of the server hardware.
6	How many virtual Servers do you have on each platform (VM/Hyper-V)?	The current amount of VMs is about 100, but it will grow.
7	How many TB are used on the Storage System?	Currently about 45TB of data are used, and still growing.
8	What is the Connection Type for the VM/Hyper-V Stores?	The VM/HyperV data is connected via FC technology.