

Anexa nr. 3 la Anunțul de participare

Matricea de conformitate pentru Enterprise Storage Systems (Sisteme de stocare)

(Se completează de către operatorul economic)

Tabel de autoevaluare și verificare a cerințelor tehnice

Instrucțiuni generale pentru ofertanți: Pentru fiecare cerință, furnizați referințe specifice la documentația tehnică care justifică conformitatea. Includeți numerele de pagină, referințele capitolelor și/sau linkuri web directe către documentația oficială a producătorului.

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
1. GENERAL REQUIREMENTS						
1.1	New and non-refurbished equipment (manufactured min. Q1 2025)	OceanStor Dorado 5000			https://e.huawei.com/en/products/storage/all-flash-storage/dorado-5000-6000	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
1.2	Enterprise-grade from recognized international manufacturer	OceanStor Dorado 5000			https://e.huawei.com/en/topic/storage/gartner-magic-quadrant-leader https://e.huawei.com/en/products/storage/all-flash-storage/dorado-5000-6000	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
1.3	Mutually compatible components, manufacturer certified	OceanStor Dorado 5000	All components used in the system are listed in this section	Hardware Architecture	https://support.huawei.com/enterprise/en/doc/EDOC1100484692/fbde391a/hardware-architecture?idPath=7919749 251366268 250389224 261066246 260502171	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
1.4	Rack-mountable 2U-4U, EIA-310 standard compliant	OceanStor Dorado 5000	Installation manual		https://support.huawei.com/enterprise/en/doc/EDOC1100484692/d2c1354e/overview?idPath=7919749 251366268 250389224 261066246 260502171	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
1.5	Complete mounting kit (rails and brackets included)	OceanStor Dorado 5000	Quick installation guide		https://support.huawei.com/enterprise/en/doc/EDOC1100484682?idPath=7919749 251366268 250389224 262794301	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
2. ARCHITECTURE & AVAILABILITY						
2.1	Symmetric Active-Active controller architecture	OceanStor Dorado 5000	Data Sheet	Page 1,3	https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
2.2	Minimum guaranteed availability 99.9999%	OceanStor Dorado 5000	Data Sheet	Page 3 “Ever Solid”	https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
2.3	Write cache remains active during controller failure	OceanStor Dorado 5000	Technical white pages	Chapter 8.1.1 Cache data reliability	https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
2.4	System operational with single controller (50% failure tolerance)	OceanStor Dorado 5000	Data sheet	Page 3, Smart-matrix	https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
2.5	Non-disruptive software updates	OceanStor Dorado 5000	Technical white pages	10.2 Non-disruptive upgrade (NDU)	10.2 Non-disruptive upgrade (NDU) https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

3. FAULT TOLERANCE

3.1	Continuous operation - power line failure tolerance	OceanStor Dorado 5000	OceanStor Dorado 3000, 5000, and 6000 Product Documentation	Power-BBU module	Each controller enclosure has two power modules (PSU 0 and PSU 1) to supply power to controllers A and B. The two power modules form a power plane and are redundant of each other https://support.huawei.com/hedex/hdx.do?docid=EDOC1100489522&id=prod_desc_2u_ctr_5000nvm_e_bbu	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
3.2	Automatic failover - any controller failure	OceanStor Dorado 5000	Data sheet	Page 3	The symmetric active-active software architecture, global cache, and cross-enclosure RAID enable the tolerance for the failure of any controller enclosure, disk enclosure, or cabinet. https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

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3.3	Data integrity - 2 simultaneous drive failures	OceanStor Dorado 5000	Data sheet	Page 5	Support RAID 6 and RAID-TP (triple RAID). These RAID types provide data availability in the event of simultaneous failure of 2 physical disks. https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
3.4	Traffic rerouting - FC or iSCSI port failure	OceanStor Dorado 5000	Technical white pages	4.1.1.1 Global load balancing	https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
4. STORAGE CAPACITY						
4.1	Minimum 200 TB usable capacity (before data reduction)	OceanStor Dorado 5000	System Configuration - 05.1 Anexa 3.1 - System configuration.pdf Huawei official sizing tool eDesigner		Available Capacity - 185.91 TiB or 204.4 TB Type RAID - RAID 6 (30x7.68TB NVMe SSD Encryption Disk)	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
4.2	Enterprise SSD with TLC/eTLC technology or equivalent	OceanStor Dorado 5000	Data sheet (EN) OceanStor Dorado Huawei NVMe SSD Data Sheet (For New-	Page 2	(EN) OceanStor Dorado Huawei NVMe SSD Data Sheet (For New-Gen OceanStor Dorado).pdf	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
			Gen OceanStor Dorado).pdf			
5. CONTROLLERS						
5.1	Minimum 2 redundant controllers in HA configuration	OceanStor Dorado 5000	Technical white pages	3.1.1 Controller enclosure, figure 3-4	Each system is equipped with 2 controllers by default https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f12772badd68e	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
5.2	Active-Active configuration with balanced workload	OceanStor Dorado 5000	Technical white pages	4.1.1 Active-Active Logical Architecture for SAN	OceanStor Dorado uses the symmetric active-active software architecture. The load balancing algorithm balances the read and write requests received by each controller. https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f12772badd68e	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
5.3	Hot-swappable controllers	OceanStor Dorado 5000	Technical white pages OceanStor Dorado V700R001 Parts Replacement	3.1.1 Controller enclosure, figure 3-4 Parts Replacement/Removal Description	Each system is equipped with 2 controllers by default https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f12772badd68e Units in the storage system, such as disks, controllers , fan modules, interface modules, expansion module, power modules, and BBUs, are redundant and protected against single points of failure. All of these replaceable units are hot-swappable and can be replaced online https://support.huawei.com/enterprise/en/doc/EDOC1100484683/d2a8e73d/parts-replacement-	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
					removal-description?idPath=7919749 251366268 250389224 261066246 260502113	
6. RAID & DATA PROTECTION						
6.1	RAID 6 support (2 disk failure tolerance)	OceanStor Dorado 5000	Data sheet	Page 5	https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
6.2	Optional RAID 5, RAID 10 or equivalent	OceanStor Dorado 5000	Data sheet	Page 5	https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
7. CACHE (if applicable)						
7.1	Minimum 256 GB cache total per controller	OceanStor Dorado 5000	Data sheet	Page 5	The cache memory capacity of the OceanStor Dorado 5000 system for 2 controllers is 256GB, 512GB, or 768GB (thus, the cache memory capacity per controller is 128GB, 256GB, or 384GB respectively). For this tender, a system with a cache memory capacity of 512GB (256GB per controller) is proposed. https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
7.2	Protected cache (mirroring or battery backup)	OceanStor Dorado 5000	Technical white pages	8.1.1 Cache data reliability 8.1.1.2 Power failure protection	8.1.1. Cache data reliability 8.1.1.2 Power failure protection https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
7.3	Optimized for IOPS and low latency	OceanStor Dorado 5000	Technical white pages	3.2.2. RDMA for low latency 3.3. End-to-end NVMe	3.2.2. RDMA for low latency 3.3. End-to-end NVMe https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
8. PERFORMANCE						
8.1	Minimum 300,000 IOPS with inline data reduction	OceanStor Dorado 5000	Huawei official sizing tool eDesigner - 5000 New-Gen OceanStor Dorado_Product-performance-test.pdf		System performance – 361 040 IOPS The calculation of system performance is attached (5000 New-Gen OceanStor Dorado_Product-performance-test.pdf)	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
8.2	Performance parameters: 70% read/30% write, 16KB block	OceanStor Dorado 5000	Huawei official sizing tool eDesigner - 5000 New-Gen OceanStor Dorado_Product-		Performance parameters: Size of block – 16K Read ratio – 70% / 30% The calculation of system performance is attached	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
			performance-test.pdf			
8.3	Maximum 1 ms latency under full load	OceanStor Dorado 5000	Huawei official sizing tool eDesigner - 5000 New-Gen OceanStor Dorado_Product-performance-test.pdf		Latency up to 1 ms The calculation of system performance is attached	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
8.4	Performance validation with vendor benchmark tools	OceanStor Dorado 5000	Huawei official sizing tool eDesigner - 5000 New-Gen OceanStor Dorado_Product-performance-test.pdf		The calculation of system performance is attached	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
9. SUPPORTED PROTOCOLS						
9.1	Mandatory: FC and iSCSI	OceanStor Dorado 5000	Data sheet	Page 5	Support protocols: FC, iSCSI https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
9.2	Optional: NVMe/FC, NVMe/TCP	OceanStor Dorado 5000	Data sheet	Page 5	Support protocols: NVMe/FC, NVMe/TCP, RoCE	<input checked="" type="checkbox"/> Compliant

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
					https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Partially <input type="checkbox"/> N/A
9.3	Multipath I/O for all protocols	OceanStor Dorado 5000	Data sheet Technical white pages	Page 5 4.1.1.1 Global load balancing	Support Ultrapath for all protocol https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86 4.1.1.1 Global load balancing https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
10. REPLICATION & CLUSTERING						
10.1	Synchronous replication for Active-Active between 2 locations up to 300m	OceanStor Dorado 5000	OceanStor Dorado V700R001 HyperReplication feature guide for block	Chapter – Planning	HyperReplication supports Fibre Channel, IP, and Remote Direct Memory Access over Converged Ethernet (RoCE) networks. For synchronous replication RTT must be less 10 ms. https://support.huawei.com/enterprise/en/doc/EDOC1100484920/c623525/planning?idPath=79197491251366268 250389224 261066246 260502113	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
10.2	Zero RPO (Recovery Point Objective)	OceanStor Dorado 5000	Technical white pages	6.4.1.1 Hyperreplication/S	HyperReplication/S supports the short-distance data disaster recovery of LUNs. It applies to same-city disaster recovery that requires zero RPO. It concurrently writes each host write I/O to both the primary and secondary LUNs of the remote replication pair and returns a write success acknowledgement to the host after the data is successfully written to the primary and secondary LUNs. Therefore, the RPO is zero.	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
					https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	
10.3	Flexible replication for 1 or more LUNs	OceanStor Dorado 5000	Technical white pages	6.4.1.1 Hyperreplication/S	<p>HyperReplication/S supports the short-distance data disaster recovery of LUNs. It applies to same-city disaster recovery that requires zero RPO. It concurrently writes each host write I/O to both the primary and secondary LUNs of the remote replication pair and returns a write success acknowledgement to the host after the data is successfully written to the primary and secondary LUNs. Therefore, the RPO is zero.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
11. DATA REDUCTION FEATURES						
11.1	Inline deduplication at block and volume level	OceanStor Dorado 5000	Technical white pages	5.1 SmartDedupe and SmartCompression (Data Reduction)	<p>When a user writes data, the adaptive deduplication algorithm identifies data suitable for inline deduplication based on data characteristics and directly performs inline deduplication</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
11.2	Inline compression	OceanStor Dorado 5000	Technical white pages	5.1.2 Compression	<p>OceanStor Dorado provides multi-level general compression algorithms. To balance the compression ratio and performance, both inline and post-process compression algorithms are used.</p> <p>When data is written to the pool for the first time, the data is compressed using the inline compression</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
					<p>algorithm before being written to the pool. Then post-process deduplication is performed and the deduplicated data is compressed again using the post-process compression algorithm for a higher reduction ratio.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	
11.3	No restrictions on other functionalities	OceanStor Dorado 5000	System configuration - 05.1 Anexa 3.1 - System configuration.pdf		The delivery package includes the maximum type of license (Advanced) for block access.	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
11.4	Complete licensing on perpetual basis included	OceanStor Dorado 5000	System configuration - 05.1 Anexa 3.1 - System configuration.pdf		The delivery package includes the maximum type of license (Advanced) for block access.	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
12. SNAPSHOTS						
12.1	Minimum 365 snapshots per volume	OceanStor Dorado 5000	Technical white pages	6.2 HyperCDP (Continuous Data Protection)	<p>HyperCDP creates high-density snapshots on a storage system to provide continuous data protection (CDP).</p> <p>SAN: A single LUN supports a maximum of 60 000 HyperCDP objects. The system supports a maximum of 2 000 000 HyperCDP objects.</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

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					https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	
12.2	Delta storage only (space-efficient)	OceanStor Dorado 5000			<p>ROW Snapshots.</p> <p>This is a core technology used to create snapshots. When a storage system receives a write request to modify existing data, the storage system writes the new data to a new location and directs the pointer of the modified data block to the new location.</p> <p>https://support.huawei.com/hdex/hdx.do?docid=EDOC1100489522&id=hypersnap_principal</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
12.3	No performance impact (degradation)	OceanStor Dorado 5000	OceanStor Dorado 3000, 5000, and 6000 Product Documentation	HyperSnap Feature Guide for Block	<p>Huawei HyperSnap provides the following advantages:</p> <ul style="list-style-type: none"> • Supports online backup, without the need to stop host services. • Provides writable ROW snapshots with no performance compromise. • If the source data is unchanged since the previous snapshot, the snapshot occupies no extra storage space; if the source data has been changed, only a small amount of space is required to store the changed data. 	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

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					https://support.huawei.com/hedex/hdx.do?docid=EDOC1100489522&id=hypersnap_short_des	
13. SECURITY						
13.1	AES-256 encryption for all stored data	OceanStor Dorado 5000	Technical white pages	6.9 Hyperencryption (array encryption)	Support AES-256 https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
13.2	Hardware-accelerated encryption without performance impact	OceanStor Dorado 5000	Data sheet	Page 5	For exclude the impact and accelerated encryption process, the system is equipped with NVMe SSD drives with built-in encryption functionality (NVMe SED) https://e.huawei.com/en/documents/products/storage/c3d2a393968b4a328ac41b012819bf86	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
13.3	Secure encryption key management	OceanStor Dorado 5000	Technical white pages	6.9 Hyperencryption (array encryption)	Internal and external managers https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
14. MONITORING & MANAGEMENT						
14.1	Web-based monitoring and management platform	OceanStor Dorado 5000	Technical white pages	10.1.1 Device manager	DeviceManager is a built-in HTML5-based management system for OceanStor Dorado.	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially

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					https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e	<input type="checkbox"/> N/A
14.2	Real-time monitoring (space, performance, hardware status), etc	OceanStor Dorado 5000	Technical white pages	10.1.1 Device manager	<p>Fault management: The status of storage devices and management units on storage devices are monitored. If faults occur, alarms will be generated and troubleshooting suggestions and guidance will be provided.</p> <p>Performance and capacity management: The performance and capacity of storage devices is monitored in real time. You can view the collected historical performance and capacity data and analyze associated performance data.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
14.3	Capacity planning and trend analysis (optional)	OceanStor Dorado 5000	Technical white pages	10.1.1.5 Performance and Capacity Management 10.1.1.6.3 Capacity Prediction 10.1.1.6.4 Performance Prediction	<p>Performance data collection and analysis are essential to daily device maintenance. Because the performance data volume is large and analyzing the data consumes many system resources, an extra server is often required for installing dedicated performance data collection and analysis software, making performance management complex.</p> <p>OceanStor Dorado has a built-in performance and capacity data collection and analysis component that is ready for use. The component is specially designed to consume minimal system resources.</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

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					<p>Capacity is the core asset of storage devices. Sufficient available capacity is the prerequisite for normal service running. Therefore, capacity expansion is one of the key activities in O&M. OceanStor Dorado uses the time series forecasting algorithm to construct an intelligent capacity forecasting model for storage pools and storage arrays. This aims to predict capacity bottlenecks and the trend of the maximum used capacity in the next year, providing reference for customers' capacity expansion plans.</p> <p>Performance indicators are a key reference for measuring the health status of storage devices and for storage administrators to properly provision services. The time series forecasting algorithm is built in the storage system. Based on the storage arrays and controllers, the hyperparameter self-optimization mechanism is used to implement automatic learning of intelligent models in the device and predict the performance trend in the next week or month. The indicators include the average latency, total IOPS, and block bandwidth. This helps storage administrators predict performance bottlenecks in advance and properly place or migrate services to ensure stable device performance</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	

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14.4	On-premises operation without mandatory internet	OceanStor Dorado 5000	Technical white pages	10.1.1 Device manager	<p>DeviceManager is a built-in HTML5-based management system for OceanStor Dorado.</p> <p>It does not require any external connection or cloud service for proper functioning. Everything operates in an isolated and controlled mode for isolated critical infrastructures.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
14.5	Complete licensing on perpetual basis included	OceanStor Dorado 5000			All license perpetual	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
15. CONNECTIVITY						
15.1	Per controller: min. 1 x 1GbE for management	OceanStor Dorado 5000	Technical white pages	3.1.1 Controller enclosure	<p>Each controller has 2 GE management and maintenance ports and one serial port.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
15.2	Per controller: min. 2 x 32Gb FC (SFP+ included)	OceanStor Dorado 5000	System configuration - 05.1 Anexa 3.1 - System configuration.pdf		<p>Two dedicated ports out of 4 are used.</p> <p>The configuration includes two 4-port FC cards with 32GB optical modules (one per controller).</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
15.3	Dedicated replication ports per controller min. 2 x 32G FC or equivalent	OceanStor Dorado 5000	System configuration - 05.1 Anexa 3.1 - System configuration.pdf		<p>Two dedicated ports out of 4 are used.</p> <p>The configuration includes two 4-port FC cards with 32GB optical modules (one per controller).</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
15.4	Connectivity cables included				<p>All connection cables are included, such as for each storage system:</p> <p>8 – LC-LC optical duplex OM4 3m</p> <p>2 - UTP Cat6/Cat6a cables, 1m length</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

16. MINIMUM MANDATORY SUPPORTED OPERATING SYSTEMS

16.1	Microsoft Windows Server	OceanStor Dorado 5000	Technical white pages	13.1.1 Host operating systems 13.1.2 Host Virtualization System	<p>13.1.1 Host operating systems</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
16.2	Red Hat Enterprise Linux	OceanStor Dorado 5000	Technical white pages	13.1.1 Host operating systems 13.1.2 Host Virtualization System	<p>13.1.1 Host operating systems</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
16.3	VMware vSphere/ESXi	OceanStor Dorado 5000	Technical white pages	13.1.2 Host virtualization systems	<p>13.1.2 Host virtualization systems</p> <p>OceanStor Dorado is compatible with mainstream host virtualization systems in the industry (including VMware ESXi, Microsoft Hyper-V, XenServer, Red Hat RHV, IBM PowerVM(VIOS), Huawei FusionCompute, and NeoKylin advanced server operating system (OS) (virtualization version)) and multipathing software (including embedded multipathing software of host virtualization systems and Huawei UltraPath). In addition, it provides active-active storage solutions.</p> <p>OceanStor Dorado also supports various VMware features, including VAAI, VASA, SRM, vSphere Web Client Plug-in, vRealize Operations, and vRealize Orchestrator. It is deeply integrated with VMware, providing customers with comprehensive storage services in VMware virtualization environments.</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

17. POWER SUPPLY

17.1	Minimum 2 hot-swappable redundant PSUs	OceanStor Dorado 5000	Technical white pages	3.1.1 Controller enclosure, figure 3-4	<p>2 power-BBU modules include by default</p> <p>https://e.huawei.com/en/documents/products/storage/5d0c4694e67143c295f127722badd68e</p> <p>Units in the storage system, such as disks, controllers, fan modules, interface modules,</p>	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
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No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
			OceanStor Dorado V700R001 Parts Replacement	Parts Replacement/Removal Description	<p>expansion module, power modules, and BBUs, are redundant and protected against single points of failure. All of these replaceable units are hot-swappable and can be replaced online</p> <p>https://support.huawei.com/enterprise/en/doc/EDOC1100484683/d2a8e73d/parts-replacement-removal-description?idPath=7919749 251366268 250389224 261066246 260502113</p>	
17.2	1+1 or N+1 redundancy configuration	OceanStor Dorado 5000	OceanStor Dorado 3000, 5000, and 6000 Product Documentation	Power-BBU module	<p>Each controller enclosure has two power modules (PSU 0 and PSU 1) to supply power to controllers A and B. The two power modules form a power plane and are redundant of each other. For reliability purposes, it is recommended that you connect PSU 0 and PSU 1 to different PDUs.</p> <p>https://support.huawei.com/hedex/hdx.do?docid=EDOC1100489522&id=prod_desc_2u_ctr_5000nvme_bbu</p>	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
17.3	IEC C13-C14 power cables, minimum 0.6m	OceanStor Dorado 5000	System configuration - 05.1 Anexa 3.1 - System configuration.pdf		All necessary cables are included.	<input type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

18. CERTIFICATION & COMPLIANCE - EU STANDARDS

No.	Category / Requirement	Proposed Model / Component / Configuration	Technical Documentation Reference	Page / Chapter	Manufacturer's Web Link	Self evaluation compliance Status
18.1	CE Marking	OceanStor Dorado 5000	EU Declaration of Conformity		Compliance is confirmed. The equipment offered is CE marked and fully compliant with applicable European Union directives. The EU Declaration of Conformity issued by the manufacturer is attached, demonstrating conformity and supporting access to the European Economic Area (EEA) market.	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A
18.2	Declaration of Conformity (DoC)	OceanStor Dorado 5000	EU Declaration of Conformity		Compliance is confirmed. The equipment offered is CE marked and fully compliant with applicable European Union directives. The EU Declaration of Conformity issued by the manufacturer is attached, demonstrating conformity and supporting access to the European Economic Area (EEA) market.	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Partially <input type="checkbox"/> N/A

Instrucțiuni adiționale pentru completarea matricei de conformitate pentru Ofertanți:

1. Coloana Model/Componentă/Configurație propusă:

- Specificați numărul exact(part number/SKU) al modelului/componentei și configurația;
- Includeți orice componente opționale necesare pentru conformitate cu cerințele tehnice stabilite în documentația de atribuire;
- Enumerați versiunile de firmware/software și termenul de valabilitate (perpetual sau în ani - valoare exactă) a subșriptiei/support, dacă sunt incluse în ofertă și relevante pentru conformitate.

2. Coloana de referință a documentației tehnice:

- Furnizați titlul documentului și versiunea/data;
- Exemple: „Fișă tehnică de produs v3.2”, „Manual de specificații tehnice 2024”;
- Includeți mai multe documente, dacă este necesar (separate prin punct și virgulă).

3. Coloană pagină/capitol:

- Furnizați numere de pagină specifice (de exemplu, „p. 15-17”);
- Capitole/secțiuni de referință (de exemplu, „Capitolul 4.2.1”);
- Folosiți formatul: „Nume_document: Pagina_X” pentru referințe multiple.

4. Coloana cu linkuri web ale producătorului:

- Furnizați adresa URL directă către documentația oficială a producătorului;
- Linkurile trebuie să fie accesibile public sau, dacă sunt restricționate: includeți credențiale de acces;
- Format: <https://manufacturer.com/product/documentation>.

5. Coloana Autoevaluare - stare conformitate:

- **Conform:** Îndeplinește pe deplin cerințele specificate;
- **Partial:** Îndeplinește cerința cu condiții/excepții (explicați în note);
- **N/A:** Nu se aplică soluției propuse (furnizați o justificare).

Declarație: Prin completarea și semnarea acestei matrice de conformitate, ofertantul certifică faptul că toate informațiile furnizate sunt corecte și pot fi verificate prin intermediul documentației și/sau linkurilor web la care se face referire.

Reprezentantul ofertantului:

Numele: Alexei LEU
Funcția: director Pride System SRL
Data: 12 ianuarie 2026
Semnătura: _____