

Attachment 10

SOUTHERN METHODIST UNIVERSITY – RFP Q & A

ROUND 2 Q & A – (Questions Due: January 28, 2022 – Response: February 4, 2022)

1. Support nodes: What is the desired SSD endurance: 1DWPD or 3DWPD?

Response: The desired SSD endurance is 3DWPD for the support nodes.

2. Admin nodes: Do the 10G and 100G Ethernet ports both need to be fiber? Or can 10G be copper (RJ45) and 100G fiber?

Response: DAC connections would be preferred for 10G.

3. The first Q&A clarifies the compute nodes should have HDR100 Infiniband. Does the 360-port HDR leaf switch capacity refer to 360 HDR ports (200Gb/s) or to 360 HDR100 ports (i.e. 180 HDR ports split into 2x HDR100 ports)?

Response: The Leaf switches on the compute nodes will need to operate at least HDR100 non-blocking. Storage related and DTN nodes will require HDR200. Storage related nodes will also need HA configuration on IB connections.

4. Ethernet switches are to have dual power supplies. Does this also apply to the IPMI Ethernet switches?

Response: Yes, that would be the preference.

5. Rack power is provided by redundant 400V 30A 3-Phase circuits. Is power to the compute nodes intended to be redundant (i.e. 1 power supply per circuit)? This will double the number of PDUs required per rack.

Response: Yes, the power should be redundant on all compute nodes. If a different power profile is needed to supply the proposed configuration, please provide specifics. Currently the environment is setup for 400v 30A connections.

6. What is the distance from the top of the racks to the overhead cable trays?

Response: The Cable Tray is 11 inches and the Ladder is 24.5 inches above the rack.

7. High-memory nodes: What is the desired SSD endurance: 1DWPD or 3DWPD?

Response: The desired SSD endurance is 3DWPD for the High-memory nodes.

8. High-memory nodes: Do these nodes require a RAID controller?

Response: Yes, these nodes do require a RAID controller.