24-68 JCSS Data Center Core Upgrade – REQUIREMENTS

JCSS seeks responsible and responsive vendors to provide a proposal to install and configure a replacement solution for our data center core chassis switch and to realign, test, and label all patch panels in the data center. The vendor will be responsible for removing the existing switch and reconfiguring the rack to accommodate the new solution. The replacement solution should be a switch stack that can provide a minimum of 20 10GbE copper ports, 120 1 GbE copper PoE+ ports, and 24 SFP+ fiber ports. All switches should include redundant power supplies capable of providing PoE+ to all 1GbEcopper ports. Any ports that require transceivers for connectivity should include the transceivers. Each switch in the stack will be installed with a copper patch panel above and below it and copper ports will be patched into the switches by the vendor with 1 foot copper jumpers provided by the vendor. Jumpers will be color coded according to the function the port serves.

All network equipment should include a 5-year contract including a minimum of 8x5 TAC support, NBD switch and module replacement, and software and firmware updates.

All network equipment will be configured to match existing configurations.

Please quote the following preferred models of switches and modules OR EQUAL:

JL661A	Aruba 6300M 48G CL4 PoE 4SFP56 Switch
JL658A	Aruba 6300M 24SFP+ 4SFP56 Switch
JL085A	Aruba X371 12VDC 250W AC Power Supply
JL563B	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver
J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver
R0M46A	Aruba 50G SFP56 to SFP56 0.65m DAC Cable
R0M47A	Aruba 50G SFP56 to SFP56 3m DAC Cable

Proposals for equivalent models will be considered.