



QUESTIONS & RESPONSES # 01

RFP / TITLE 071556 | Datacenter DR Warm Site  
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Number	PROPOSER QUESTIONS	PORT RESPONSES	RFP/ RFO Section
1	How much power does each of the 4 racks require for the Port of Tacoma & The Northwest Seaport Sea Alliance RFP call for?	Standard power to the racks must be 5kw per rack.	
2	According to the Datacenter DR Warm Site Datacenter Requirements # 3, Uptime measured as a % of 24 hours a day, we desire a minimum of 99.999% is mandatory. This implies candidates have a way to objectively demonstrate an ability to meet and maintain adherence to this requirement.  It is widely accepted within the datacenter industry that the Uptime Institute's Tier Performance Standards are the basis for an objective comparison. To obtain 99.995% site availability, a datacenter must be able to demonstrate an Uptime Institute Tier IV classification. In terms of this requirement, is it the Port of Tacoma's desire for qualified datacenters to meet the Uptime Institute's Tier Performance standard for Tier IV?	99.995% is fine at Tier IV	
3	continued: Summarization of a data centers characteristic by tier: <ul style="list-style-type: none"> <li>•Tier I Single path for power and cooling distribution, no redundant components, 99.671% availability.</li> <li>•Tier II Single path for power and cooling distribution, redundant components, 99.741% availability.</li> <li>•Tier III Multiple power and cooling distribution paths, but only one path active, redundant components, concurrently maintainable, 99.982% availability.</li> <li>•Tier IV Multiple active power and cooling distribution paths, redundant components, fault tolerant, 99.995% availability</li> </ul> References: Industry Standard Tier Classifications Define Site Infrastructure Performance by W. Pitt Turner IV, P.E. and Kenneth G. Brill <a href="https://i.antigena.com/I/CGeJgoEQanti6dJ5o2dbvUbuUH7U3QDEJncmFsqGQ2zoBICXoAm-ucUhtARdGM6lHrY8-Sz3RiOcPGLvf7fwo_FnqotlzZC6axCsKrNHJYuxSD9qJWtu8SMnBBXW5GraUoJMmqyRMqwGmz8TGqgPkUwqn-Fo2HHBaLUL7uVHugmtuE7hMsZo9_FdCP-yDm">https://i.antigena.com/I/CGeJgoEQanti6dJ5o2dbvUbuUH7U3QDEJncmFsqGQ2zoBICXoAm-ucUhtARdGM6lHrY8-Sz3RiOcPGLvf7fwo_FnqotlzZC6axCsKrNHJYuxSD9qJWtu8SMnBBXW5GraUoJMmqyRMqwGmz8TGqgPkUwqn-Fo2HHBaLUL7uVHugmtuE7hMsZo9_FdCP-yDm</a>  Tier Classifications Define Site Infrastructure Performance by W. Pitt Turner IV, P.E., John H. Seader, P.E., and Kenneth G. Brill <a href="https://i.antigena.com/I/Bg2BOyim88PwD8nSYrbRGGT-3uBq6WzcgzOxTJN_eA30Q6CBU9ii_X3eKvj~0Y2YX9rV6j7uuz~5JR6FGGFpkn~R7IKhAaTsYFTXEeb-lxCAflwV9dRNH3PkeGmgghpMsd4PhspaO2OwYG-3kOA~W5UiOgaVKdCKnbTyKXVDFCX~">https://i.antigena.com/I/Bg2BOyim88PwD8nSYrbRGGT-3uBq6WzcgzOxTJN_eA30Q6CBU9ii_X3eKvj~0Y2YX9rV6j7uuz~5JR6FGGFpkn~R7IKhAaTsYFTXEeb-lxCAflwV9dRNH3PkeGmgghpMsd4PhspaO2OwYG-3kOA~W5UiOgaVKdCKnbTyKXVDFCX~</a> Uptime Institute, Data Center Site Infrastructure Tier Standard: Topology <a href="https://i.antigena.com/I/Ai7CVbDQvZLoa9A-UQpg0Sm~KtlLvICR921N0dOEx0b2Mf6xMi~Xy-OQ7FCJ8qY0~BQ07QbR3xAiAOcKROtxuM1la~Cd95Uex8W1Ov1Uc2r1McGjyOinb~8R3h5CF5aQV4Q9b5VjWwGwDhCwZeeed2v7MFJubCYUfcaIDaPwUeINa6CFE">https://i.antigena.com/I/Ai7CVbDQvZLoa9A-UQpg0Sm~KtlLvICR921N0dOEx0b2Mf6xMi~Xy-OQ7FCJ8qY0~BQ07QbR3xAiAOcKROtxuM1la~Cd95Uex8W1Ov1Uc2r1McGjyOinb~8R3h5CF5aQV4Q9b5VjWwGwDhCwZeeed2v7MFJubCYUfcaIDaPwUeINa6CFE</a>	99.995% is find at Tier IV	
4	We can not accept T&Cs as requested at this stage. We would like to state instead something to the effect of "upon bid award, we agree to mutually execute in good faith all proposal terms and conditions." Will our inability to accept T&Cs at this stage disqualify us?	Yes-see RFP page 2. "The Port's Standard Terms and Conditions are included as Attachment B to this RFP. By submitting a Proposal, the Proposer represents that it has carefully read and agrees to be bound by the Port's Standard Terms and Conditions. Identify during the question	RFP pg 2
5	The RFP mentions an SLA worksheet, but we were having trouble locating this. Can you please provide, or let us know if we missed it?	See Addenda #1	
6	Will POT consider a data center located in the Portland, OR metro area?	No	Data Center/ Dedicated Cage
7	Additional security: Does this require underfloor mesh below the raised floor?	No	
8	Additional security: Does this require above ceiling mesh?	No	
9	Additional security: Is top of cage security required? If so, is physical cage topper required or is an Infrared Beam top acceptable?	Infrared beam is acceptable	
10	Additional security: Does this require floor to ceiling walls?	No	
11	For the seismic bracing required: Is bolting down the racks acceptable or does there need to be a bracing platform?	Bolt down is fine.	
12	Racks need 110v and 208v power: Our typical power distribution is one pair of whips delivered from under the raised floor. Is one A/B pair of L6-30's (208v x 30A single phase) acceptable for each rack?	Yes	

13	Do some racks need a pair of L5-20's in addition to the L6-30's? (2 A/B pairs of whips, 4 total whips)	L6-30 is fine.	Racks/ Power
14	What is the expected rack density (in kW) or overall kW commit POT is looking to achieve for the cage?	Standard power to the racks must be 5kw per rack.	
15	Is the data center provider furnishing the racks/cabinets or is POT bringing their own?	Datacenter is providing the racks/cabinets.	
16	Is the data center provider furnishing the rack PDUs (power strips) or is POT bringing their own? If the data center provider is to furnish, is it the provider's discretion as to which brand/type is furnished? Please specify if POT has specific requirements on the rack PDUs (power strips) to be furnished.	Yes	
17	What are the requirements on the rack width, depth, and height?	Standard 4 post with cable management.	
18	If the data center provider is not furnishing the racks, what dimensions of racks/cabinets are being brought by POT?	N/A	
19	Does POT require 4-post open racks, or full locking cabinets?	Standard 4 post with cable management.	
20	Make and model of the antenna?	Unknown at the time. Reserving to opportunity for future use.	Antenna Specs
21	Is there a particular direction this need to be faced, or mounting brackets required?	Unknown at the time. Depending on the provider the Port selects.	
22	Is there a distance limitation from rack deployment to antenna roof?	Unknown	
23	What cables need to be used to connect the rack deployment to the antenna on the roof?	Unknown	Data Circuit
24	For the 1GB data circuit going to Fabulich site, is the colo provider expected to supply this point to point circuit, or is the intention to procure this through a 3 <sup>rd</sup> party carrier?	The Port will be responsible to acquiring a circuit provider for this installation.	
25	One question I have been asked is to verify the address from the 1Gbps Circuit to Fabulich Site: The address shows as Fife Washington vs. Tacoma Washington. Can you verify?	The Fabulich site address is still within the Tacoma border lines even though it is really close to Fife.	
26	What do you anticipate the number of smart hands hours utilization per month would be?	2 hours	
27	Under attachment E – Cost Breakdown, it states 1gbs link to Fabulich site. We are not sure what this is or where it is located, can you please elaborate?	The Port will be responsible to acquiring a circuit provider for this installation.	Attach E
28	Will you accept a redlines on the terms and conditions? If so, can you please provide a redline able copy over to us for adjustments?	No-see RFP page 2. "The Port's Standard Terms and Conditions are included as Attachment B to this RFP. By submitting a Proposal, the Proposer represents that it has carefully read and agrees to be bound by the Port's Standard Terms and Conditions. Identify during the question submittal and response period, any sections you consider onerous, clarify why you consider these sections onerous, propose alternative language and describe why it is in the Port's best interests to adopt the alternative language. Proposals submitted with altered or conditioned Terms and Conditions without prior written agreement from the Port will be considered non-responsive and not considered for evaluation."	RFP pg 2
29	In the event a secure private custom cage was not available, would 4 individually lockable side by side cabinets solve for this requirement?	Yes	
30	What are the specific power requirements per cabinet? 5kW/Cab A/B power? (208V 30A 2 phase, 3 phase etc). I am looking for specific requirements for accurate pricing.	Standard power to the racks must be 5kw per rack.	
31	Attachment E has a grid for Smart Hands Costs. There are 5 line items. Each line item shows Bill Rate and a Total. It seems that we should convey standard hour rates, evening hour rates, holiday rates per hour but the "Total" unclear to me. Would you like us to estimate the total amount of compensation we would receive under speculative scenarios based on the requirement that Smart hands be available for power cycling equipment as needed (not expected to be frequent) Could you let me know?	Looking for a flat-rate for 2 hours per-month for smart hands services.	Attach E
32	No networks shared with port of Tacoma network links. With multiple options available we can ensure we will meet this requirement. However to narrow down which networks we need to know What Network links the Port of Tacoma have in place today?	The Port will be responsible to acquiring a circuit provider for this installation.	Network
33	You list 4 racks with a mix of 110V/ and 208V. Can you provide more detail information. For example we want 1 rack with dual 110cv/20a (A+B), 2 Racks with Dual 208V/30 and one 2ith Dual 208V/3phase/60 amp. As the exact type of circuit can vary implementation pricing.	Each rack is an A/B pair of L6-30's (208v x 30A single phase).	Power