



Addendum No. 3
Maryland Judiciary Data Center Relocation Services
K22-0044-29

1/26/2022

The purpose of this addendum is to amend and clarify certain portions of the above-referenced solicitation with all prospective bidders/offerors.

Questions:

- Q1. Does the AOC anticipate only server equipment will be relocated?
A1. Primarily server and storage, but there will be some secondary network equipment.
- Q2. Will a new network be awaiting, pre-installed?
A2. The AOC will install and configure the core network prior to any live system moves. The Successful Offeror will be included conversations to determine what will be installed and configured prior to the execution of the move.
- Q3. Will there be network equipment?
A3. Yes, there will be network equipment installed at the new location, there will also be some secondary network equipment to move.
- Q4. Are prevailing Wages required for this bid?
A4. No.
- Q5. Can a floor plan be provided for the new building? The RFP request a data center design.
A5. No, a floor plan does not currently exist. To clarify, the bidder will not be designing the datacenter itself. An architect will be doing that with input from AOC and in some cases the Successful Offeror. The Successful Offeror will provide recommendations and rack layouts for where systems will go in the new location (i.e., what will be the most efficient placement for systems in each rack with consideration for future expansion and replacement.)
- Q6. Is the Offeror required to submit a plan for all cabling of the new data center including supply of the racks and cable ladders?
A6. Yes, with a collaboration with the low voltage contractor working for architect and with our internal network team. The plan is part of the deliverables for the Successful Offeror.
- Q7. Is storage still a part of the scope?
A7. Yes.
- Q8. What applications are being used?
A8. Not relevant to the scope.
- Q9. Do the applications require a security clearance?
A9. Successful Offeror will not be logging into any systems.
- Q10. What's the optimal number of racks to be deployed in the new space? What is the measurement or definition of "optimal?" If optimal is achieved for power and cooling, but other design criteria is not met, such as ADA, FPA codes and the KW/rack increases, how is that increase accommodated and maintain the "optimal" criteria?
A10. The Successful Offeror will be present during design meetings but will not be responsible for the design of the datacenter. The bulk of this project is planning and executing the physical move of the equipment. The

layout of the room overall will largely be dictated by the architect/building owner. Successful Offeror should expect about twenty-five (25) standard 42u racks to be populated as part of this move. That number could increase or decrease depending on discussions concerning optimal density in each rack based on our future plans. The Successful Offeror will be expected to provide guidance on individual rack layout for optimization as part of the planning discussions.

- Q11. Offeror shall conduct pre-move preparation activities in accordance with the accepted deliverables of the move plan including, but not limited to, installing racking, power, and rack to rack wiring. Please define “power.”
- A11. In rack PDUs and device to PDU power cables. Part of this will be to ensure redundant power capable devices are fed from different PDUs. All room feeds and underfloor receptacles are being installed an electrician.
- Q12. Please define “successful turn-up.”
- A12. Powering on and confirming correct connectivity (power and data connectivity) of the systems at the new location.
- Q13. What day(s) & time(s) will the moves be scheduled?
- A13. The day(s) and time(s) are to be determined, but ideally starting at 5:00 PM, EST, on a Friday and completing by the end of day Saturday. Each system may have unique requirements to determine.
- Q14. How many devices will be moved simultaneously?
- A14. To be determined based on dependencies, staffing, allowable downtime, etc.
- Q15. Will the devices need to be acclimated to the new facilities rooms temp prior to being re-racked?
- A15. Not unless there is a compelling reason to do so. All devices should have minimal time outside one of the climate-controlled data centers due to their close proximity.
- Q16. Will devices need to be individually packaged?
- A16. That should be determined by the Offeror. The Successful Offeror will be responsible for ensuring everything arrives undamaged.
- Q17. Will cage nuts & screws be provided by customer?
- A17. Yes, the AOC has an existing current stock. The quantity needed shall be determined during planning and the AOC can confirm whether current stock is enough or whether an additional order is required.
- Q18. Will the Successful Offeror be responsible for dressing power & network cables?
- A18. Yes
- Q19. Will the Successful Offeror be responsible for patching copper/fiber cabling?
- A19. Yes
- Q20. Will the Successful Offeror be responsible for existing port map?
- A20. Yes
- Q21. What are the current and planned power solution for the new data center space?
- A21. Architect/Electrician has surveyed our existing system and made growth/redundancy requirements. Those finalized plan details will be shared with the Successful Offeror when they become available.
- Q22. What are the current and planned HVAC solution?
- A22. The Architect in installing a HVAC system based on our current datacenter density with a buffer for future expansion. Those finalized plan details will be shared with the Successful Offeror when they become available.

- Q23. Is this a NOC or Data Center and are there any people seats included?
A23. This is for the Server Room that will reside inside of a larger NOC. User workstation moves are happening at a later date, and our not included in the scope of this contract.
- Q24. What is the Circuit and WAN connectivity disposition and who is managing the carrier relationships?
A24. All network carrier relationships are managed internally by our network team.
- Q25. Please provide the number of applications, name of applications, and confirm testing plans exist for application cutover.
A25. Verifying testing plans is part of the scope of this RFP.
- Q26. Please provide the plan for networking in new data center space and connectivity to existing (legacy) data center.
A26. This is being determined internally by our network team. The Successful Offeror will be informed of connectivity decisions and be able to provide input when appropriate.
- Q27. Please provide server inventory and provide specific list of what is being moved from legacy data center to new data center.
A27: Detailed discovery and listing of equipment and components are part of the planning scope of this RFP.
- Q28. The RFP states "Offeror's Technical Proposal shall reference the organization and numbering of Sections in the RFP (e.g., "Section III.A.1 Response..."; "Section III.A.2 Response...", etc.)." Would an example of the correct format be "Section I.A Response Transmittal Letter"? Please clarify.
A28. The Transmittal letter should be included in the Technical Response. Section IV. details the format of the Proposal. The Offeror should reference each section of the RFP in their Technical Proposal.
- Q29. Can you please confirm that when asking for references, this can include references of subcontractors on the proposer's team?
A29. References shall be completed based on the Offeror's experience. Information relative to subcontractors shall be included in accordance with Section IV.C.2.1. of the RFP.
- Q30. Who is turning down the system?
A30. Internal staff.
- Q31. Will the owner be physically present at turn-down?
A31. AOC staff will physically be present. Ideally a system SME will be onsite.
- Q32. Will the data be replicated and stored prior to system turn-down?
A32. To be determined and may be unique for each system.
- Q33. What is the expected downtime and maximum downtime allowed?
A33. Varies for each system, but the maximum downtime we can justify is over one (1) weekend.
- Q34. Who will be responsible for turning-up the system?
A34. System SME or other determined parties depending on the system.
- Q35. What is the handoff process and requirements?
A35. System SME will have a checklist, pre-determined as part of the planning process. At a minimum power redundancy, network connectivity, and absence of environmental alarms (i.e., temperature) will be confirmed. This handoff is part of the scope of the project planning phase of the contract.
- Q36. What level of permission is being given? System Admin? Admin? Moderator?
A36. Refer to Q9 in this addendum.

- Q37. Is there a designated time within the project is to be completed (start to finish)?
A37. See Section III.E.1. of the RFP. The new location is under construction. Once we have temporary occupancy to allow for equipment to move into the new location, we would like to have all systems powered on in the new data center in ten (10) weeks.
- Q38. Who is responsible for possible data leak?
A38. The Successful Offeror is responsible if the data leak is due to physical devices being unaccounted for or maliciously duplicated.
- Q39. Does the AOC have insurance for security breaches?
A39. Yes.
- Q40. Is there an insurance requirement for data security?
A40. Yes, refer to Section II.O of the RFP.
- Q41. Is there an insurance requirement for physical equipment?
A41. Yes, refer to Section II.O of the RFP.
- Q42. Who is holding the liability for the physical equipment?
A42. Refer to Section I.P of the RFP.
- Q43. What are the requirements for equipment physical chain of custody?
A43. The AOC will coordinate with the Successful Offeror during the planning phase.
- Q44. Is there security clearance requirement in any aspect of this RFP?
A44. Refer to Section I.S of the RFP.
- Q45. What are the current computing demands?
A45. Not relevant to the scope.
- Q46. What are the current power demands and cooling demands?
A46. This is handled by the architect.
- Q47. Do you have a growth plan or requirements for new equipment and applications?
A47. Rack elevations should take into consideration ease of growth/replacement for the specific system(s). Power, cooling, UPS/Generator capacity, and physical room dimensions have already taken into consideration future growth.
- Q48. Is an air truck required?
A48. The method of transportation is at the discretion of the Offeror.
- Q49. Are PDU's being moved?
A49. Some rack PDUs may need to move, but our intention is to install additional PDUs in the empty racks at the new location prior to system move. Systems that move as a whole unit, such as storage will have the PDUs move with them.
- Q50. Can we request a list of itemized equipment being moved?
A50. A detailed discovery and listing of equipment and components are part of the planning scope of the RFP.
- Q51. Can we request a list that has the total number of cages/cabinets to be moved?
A51. Refer to Q50 of this addendum.

- Q52. Is there a decommissioning requirement?
A52. Any decommissioning will be discussed as part of the project plans. Actual decommissioning will be handled internally.
- Q53. What are the current operations and maintenance processes/procedures?
A53. Not relevant to the scope of work.
- Q54. Offeror qualifications III-C. It says, "Offeror shall have five years' experience in network operation center planning, design, engineering, project management, relocation, and turn-up services." Does the Offeror by themselves have to meet these criteria or can they add team members who have the experience to meet the requirements?
A54. The Offeror must have the five years 'experience.
- Q55. During the walkthrough it was mentioned to us that the mainframe will be replaced with a new mainframe which was also sitting in the data center. When is the data transfer from the old to the new anticipated? before the move or after the move to the datacenter? Will that also be part of the offeror's tasks?
A55. To be determined, but the data transfer will be accomplished by the internal SMEs. Successful Offeror will only need to arrange the physical move and power/data connectivity as well as plan timing with the Mainframe SMEs.
- Q56. It mentions that the offeror shall provide a list of materials to be purchased by the JIS. What will be the turnaround time between receiving the list and the materials being available? Is there a possibility that this may slow down the process?
A56. With currently global supply chain issues, the AOC cannot guarantee shipments arriving on schedule. As the systems are currently running, we suspect any items needed will be more for cable reduction rather than missing items for system function. If there is a delay in that scenario we can accept using too long of cables until shipments arrive. Risks should be thoroughly discussed as part of the project planning and management.
- Q57. Are diagrams of the new environment available? Network diagrams, equipment rack elevations, mechanical renderings, and electrical diagram.
A57. Mechanical renderings and electrical diagrams do not currently exist. Rack elevations are part of the scope of this project to be created by the Successful Offeror. Network diagrams will be created as part of this process with the Successful Offeror and our internal network team.
- Q58. Are diagrams available of the current environment?
A58. Diagrams will be provided to the Successful Offeror.
- Q59. In the summary of the scope of work the responsibilities of the Successful Offeror are listed and one of them is "oversight of pre-move rack installation and cabling." Is someone else doing that?
A59. This is the responsibly of the Successful Offeror as well as the AOC.
- Q60. Are we required to submit a network proposal?
A60. Servers and storage are the primary systems moving, but there will be secondary networking devices as well. A plan will be required for network cabling and connection, but the network configuration and design will be handled by our network team. Successful Offeror will be informed of all pertinent network design decisions as part of the planning process. The plan is part of the deliverables for the Successful Offeror.
- Q61. Is the scope completely lift and shift?
A61. Planning lift and shift, verification, and documentation.
- Q62. Are any workloads logically migrating to the target NOC data center?
A62. Not relevant to the scope.

- Q63. Is there any existing affinities or dependencies (app / app or app/ infra) mapping available?
A63. Yes, but these will be walked through as part of planning to verify completeness.
- Q64. What date will target data center be available for use? If currently unknown, when will the data center availability date be known?
A64. Firm dates cannot be estimated at this stage.
- Q65. Is a complete infrastructure inventory available to review prior to the RFP response submission?
A65. No.
- Q67. Number of physical devices to relocate to target NOC DC.
A67. Inventory and planning is part of the scope.
- Q68. Is the Offeror expected to provide any software, application, or configurations resources at the target NOC Data Center?
A68. No.
- Q69. Is the Offeror expected to provide any physical build-out of data center infrastructure (pre-racking and wiring, staging Racks, Rails, power whips)?
A69. Yes, to the examples listed. The AOC does not consider that a build-out of the infrastructure.
- Q70. Who will perform the network and shared services design and build-out at the target NOC data Center?
A70. Design will be collaborative with our resources, Successful Offeror, and architect. The Successful Offeror will perform in rack cabling, labeling, and connection.
- Q71. Does the relocation scope for the Offeror include only servers or is there other IT infrastructure (storage, network, telephony)?
A71. Various equipment, primarily compute and storage
- Q72. Will there be new network equipment for the new network operations Center, or will the network equipment be relocated? If relocated, what are the current plans for operating both locations concurrently during the various relocation waves.
A72. New network with equipment will be stood up at new site prior to relocation.
- Q73. If the strategy to execute the relocation over more than one weekend, is the engineering and planning to operate both data centers concurrently within the offeror's scope?
A73. Both sites will be operating simultaneously for a period. Technical planning of how to engineer this will be done by one of our resources, and the Successful Offeror will be responsible for planning moves.
- Q74. Would you please provide us with an asset inventory?
A74. Inventory will be provided the Successful Offeror.
- Q75. Can you tell us in the asset listing the number of physical and virtual images are in scope?
A75. Data and software moves will be our responsibility. Successful Offeror will be responsible for the physical hardware move, racking, and reconnecting power and data.
- Q76. What is the amount of data by storage asset in scope?
A76. Not relevant the scope.
- Q77. What is the estimated value of the assets in scope for purposes of insurance?
A77. Refer to Section II.O of the RFP.

- Q78. Is all the hardware under maintenance and warranty?
A78. Yes, but does not cover damages from relocation. The Successful Offeror may be required to move specific pieces of equipment and the Successful Offeror will need to coordinate those moves as well.
- Q79. Will the racks be moved, or will there be new racks in the new data center?
A79. New racks where needed.
- Q80. Does the AOC have any mapping tools?
A80. There are some options. This is discussed during planning with the Successful Offeror to determine fit and purpose.
- Q81. Is the print services or command center hardware part of the scope?
A81. Yes.
- Q82. Will the CRAC units and PDUs be left in the old data center?
A82. Yes.
- Q83. Will the AOC be looking for the existing cabling be pulled from under the existing data center floor?
A83. Some PDU whips from dedicated equipment will need to be unplugged, but nothing behind the receptacles will be removed by Successful Offeror. There is one (1) custom data cable for printing that will need to be moved.
- Q84. Does the power equipment (UPS and PDU...) already exist in the data center and is it sized to accommodate the load for the additional 30 racks?
A84. An electrician will ensure adequate power to accommodate the load. The installation or power as not yet taken place.
- Q85. You mention there is already power under the floor for the 30 racks. If this is the case, how is it provided (power whips, rigid conduit, ...)? Placement of the power may predetermine where we can place the racks.
A85. Not installed yet but will be discussed in planning meetings with the architect and electrician.
- Q86. You mention there is already cable tray (ladder rack) in the room. Can you provide a layout of this as it may predetermine where we can place the 30 racks?
A86. Refer to Q85 of this addendum.
- Q87. Does the cooling equipment (in-row or perimeter) already exist in the data center and is it sized to accommodate the load for the additional 30 racks?
A87. Specifications are with the Electrician/HVAC. The system will be sized for redundancy and future growth. The system is not currently in place.
- Q88. Do you have a floor plan of the new data center space including power, cable tray and cooling equipment (if it already exists)? An existing floor plan will help us optimize the layout of the 30 racks.
A88. No. Will be discussed during the planning stage with the Successful Offeror.
- Q89. Are you moving existing racks or are new racks required? If new racks are required, do you have specs for the racks you prefer?
A89. Refer to Q79 of the addendum.
- Q90. Will you require any hot or cold aisle containment?
A90. This will be handled by the architect as part of HVAC scope.
- Q91. If containment is needed, can you provide the floor to ceiling height, plenum height above the from, ceiling, and what type of cooling system is in the room? This will determine if containment can be installed.
A91. Containment is not required.

- Q92. Just to confirm, per Section D.3.c.(2) Scope of work, this is a labor only contract, JIS will be purchasing all materials including cabling, our only responsibility would be to provide a list of materials procure by JIS.
A92. Yes.
- Q93. Do you know what the floor loading limit is on the 3rd floor where the data center is being relocated?
A93. Panels are a 2,000lb design load.
- Q94. Do you know the weight limit of the freight elevator and the total height?
A94. 4,000lbs, Door- 4' wide x 8' tall, 5' wide x7'6" clear inside dimensions, ceiling Height-8'6"
- Q95. Will incoming circuits be terminated into the new NOC or will the circuits need to be extended from the building demarcation point? If extension is required, what is the distance to the MPOE (Main point of entry) for the telecommunication providers.
A95. Not relevant to the scope.
- Q96. Is there circuits to the new site?
A96. Nearby but not activated yet.
- Q97. Do you want a factory terminated or field terminated solution?
A97. Referring to incoming circuits at DMARC/MPOE, this is not part of the scope. In rack patch, cables can be factory terminated.
- Q98. For material estimates, should we assume 900 fiber connections and 800 copper connections as you have in the current data center?
A98. This can be used as a baseline. Planning will determine more precise numbers.
- Q99. How many core switches will you deploy in the new data center?
A99. Depends on what is being considered core, but largely irrelevant as this will be installed by our staff.
- Q100. Do you want to implement a "Top of Rack Switching", "End of Row" or "Central" network topology?
A100. Mix of ToR and EoR depending on system.
- Q101. Do you know the type and size of the cable tray?
A101. Not yet defined but requirements are with architect.
- Q102. Does the current space have a Main Ground Bus Bar or will this need to be provided as part of the solution?
A102. This is a part of the construction scope. Not relevant to the scope.
- Q103. Is the current infrastructure (floor, cable tray, etc) currently bonded to the MGBB?
A103. Bonded, but not relevant to the scope.
- Q104. Do you have a preferred manufacturer of copper / Fiber components?
A104. The preferred manufacturer is Superior Essex 4 pair Cat6 UTP for copper and Ortronics fiber. However, The AOC will provide the materials. The materials list will be coordinated with the Successful Offeror and the AOC.
- Q105. If network is being relocated, is their current design documentation with port assignments or will this need to be discovered?
A105. Our network team will provide port assignments and the Successful Offeror will label both ends of the connections as well as update design documentation.

All addenda will be incorporated into the final contract documents and will be binding on all bidders/offerors responding to this solicitation. Each bidder/offeror submitting a bid/proposal must acknowledge receipt of all addenda



by completing and forwarding Attachment H (included in bid/proposal package) with the bid/proposal response; failure to acknowledge addenda may result in the bid/proposal rejection.

If you have any questions regarding this addendum, please contact me at (410) 260-3591 or email me at valerie.l.mitchell@mdcourts.gov

Valerie L. Mitchell
Procurement Officer

